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Records: 31 (1-31 of 31)
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Search History

Step	Search	Results
1	TAC=(butanamide or pentanamide)	1,966
2	TAC=(potassium channel)	2,330
3	1 and 2	31

1. Family 76523801 (US2019343823 AA)

Title

[EN] METHODS FOR ENHANCING THE BIOAVAILABILITY AND EXPOSURE OF A VOLTAGE-GATED POTASSIUM CHANNEL OPENER

Abstract

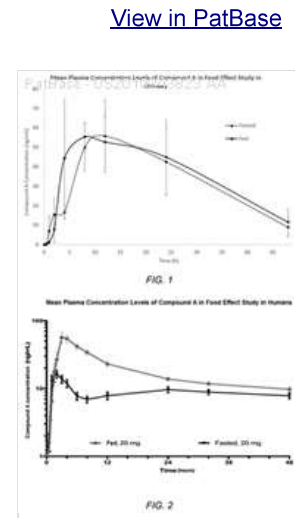
[EN] In certain embodiments, the present disclosure is directed to methods and uses for treating seizure disorders in a human, wherein the methods and uses comprise orally administering a therapeutically effective amount of the voltage-gated potassium channel allosteric modulator, N-[4-(6-fluoro-3,4-dihydro-1H-isoquinolin-2-yl)-2,6-dimethylphenyl]-3,3-dimethylbutanamide (Compound A), to the human in need thereof, for example, under fed conditions. The present disclosure is further directed to various improved methods of therapy and administration of Compound A.

International Class: A61K31/472; A61P25/08; A61K9/00; A61P43/00; C07D217/22; A61K31/00; A61P25/00; A01N25/00; A01N37/00; A01N37/12; A01N37/44; A61K31/215; A61K31/24

Cooperative Patent Class: A61K31/472; A61K9/0053; A61P25/08

Family Information

Patent Number	Publication Date	Application Number	Application Date
AU2019265002 AA	20201203	AU20190265002	20190510
AU2019265002 BB	20240620	AU20190265002	20190510
BR112020022713 A2	20210202	BR20201122713	20190510
CA3099292 AA	20201103	CA20193099292	20190510
CL2020002932 A1	20210226	CL20200002932	20201111
CN112384216 A	20210219	CN201980046273	20190510
CO20200015476 A2	20210129	CO20200015476	20201211
CR20200602 A	20210302	CR20200000602	20190510
DE602019035588 D1	20230914	DE201960035588T	20190510
DK3790548 T3	20231113	DK20190727216T	20190510
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EP3790548 A1	20210317	EP20190727216	20190510
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FI3790548 T3	20231117	FI20190727216T	20190510
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HK40048023 A1	20211126	HK20216037196	20210818
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HK40050181 B	20231013	HK20216039004	20210916
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HU064326 T2	20240328	HU20190727216T	20190510
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IL278577 AA	20201231	IL20190278577	20190510
JP2021523130 T2	20210902	JP20200562201T	20190510
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MA52569 B1	20231130	MA20190052569	20190510
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Patent Number	Publication Date	Application Number	Application Date
MX2023013247 A1	20231121	MX20230013247	20201110
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PE20211211 A1	20210705	PE20200001843	20190510
PH2020551898 A	20210712	PH20200551898	20201109
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SI3790548 T1	20240229	SI20190030665T	20190510
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UA127229 C2	20230614	UA20200007781	20190510
US11135214 BB	20211005	US20190410851	20190513
US2019343823 AA	20191114	US20190410851	20190513
US2022062266 AA	20220303	US20210449785	20211001
US2024316032 AA	20240926	US20240648049	20240426
US2024316033 AA	20240926	US20240679045	20240530
VN77209 A	20210426	VN20200006550	20190510
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Priority Numbers: US20180670253P [20180511]; WO2019US31872 [20190510]; EP20190727216 [20190510]; MX20200012008 [20201110]; US20190410851 [20190513]; US20210449785 [20211001]; US20240648049 [20240426]; US20240679045 [20240530]

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Assignees: XENON PHARMACEUTICALS INC

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; MA; MD; TN; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

2. Family 83355565 (US2022280455 AA)

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Title
[EN] ALCOHOL DERIVATIVES AS KV7 POTASSIUM CHANNEL OPENERS FOR USE IN EPILEPSY OR SEIZURES

Abstract
[EN] The present invention provides novel compounds which activate the Kv7 potassium channels. Separate aspects of the invention are directed to pharmaceutical compositions comprising said compounds and uses of the compounds to treat disorders responsive to the activation of Kv7 potassium channels.

International Class: A61K31/165; A61P25/08; A61P25/10; A61P25/12; A61P25/14; A61P25/28; C07C231/02; C07C231/12; C07C231/20; C07C235/06; C07C235/08; C07C235/26; A61P43/00

Cooperative Patent Class: A61K31/165; A61P25/08; A61P25/10; A61P25/12; A61P25/14; A61P25/28; C07B2200/07; C07C231/02; C07C231/12; C07C231/20; C07C235/06; C07C235/08; C07C235/26; C07C2601/02; C07C2601/04

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Patent Number	Publication Date	Application Number	Application Date
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US2022280455 AA	20220908	US20220631762	20200730
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Priority Numbers: EP20190189744 [20190802]; WO2020EP71514 [20200730]

Probable Patent Assignee: H LUNDBECK A S

Assignees: H RUNDBECK CO LTD; H LUNDBECK AS

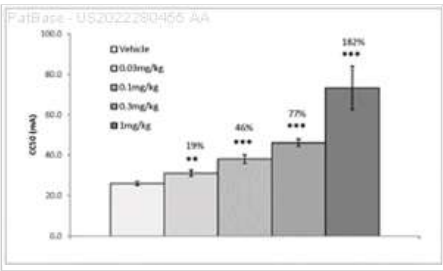
Non Std Assignees: H RUNDBECK CO; H LUNDBECK A S

Inventors: SAMS ANETTE GRAVEN; ROTTLU NDER MARIO; WANG XIAOFANG; DAS DIPANKAR; HONG JIAN; CHEN SHUHUI; BASTLUND JOHAN F; IVKOVIC JELENA; SOBY KARINA KARINA; LARSEN MICHAEL G; ROTTLAENDER MARIO; DAS DEBASIS; CHEN SHU HUI; BASTLUND JESPER FRANK; LARSEN MORTEN GRUPE; SOBY KARINA KROEJER; ROTTLANDER MARIO; SAMS ANETTE; CHEN SHU; BASTLUND JESPER; SOBY KARINA; LARSEN MORTEN

Non Std Inventors: SOBY KARINA KROEJER; ANETTE GRAVEN SAMS; MARIO ROTTLAENDER; XIAOFANG WANG; DEBASIS DAS; JIAN HONG; SHU HUI CHEN; JESPER FRANK BASTLUND; JELENA IVKOVIC; KARINA KROEJER SOBY; MORTEN GRUPE LARSEN; SOEBY KARINA KROEJER

Agent(s): H LUNDBECK A S; LUNG TIN PATENT TRADEMARK AGENT LTD

Designated States: AL; AT; BA; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; ME; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; WS; ZA; ZM; ZW



3. Family 83211242 (US2021032196 AA)

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Title

[EN] ALCOHOL DERIVATIVES AS KV7 POTASSIUM CHANNEL OPENERS

Abstract

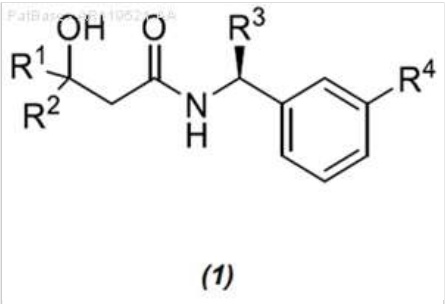
[EN] The present invention provides novel compounds which activate the Kv7 potassium channels. Separate aspects of the invention are directed to pharmaceutical compositions comprising said compounds and uses of the compounds to treat disorders responsive to the activation of Kv7 potassium channels.

International Class: A61K31/165; A61P25/18; A61P25/22; A61P25/24; A61P25/28; C07C235/08; C07C235/26; C07C255/44; A61P25/00; A61K31/277; A61P25/04; A61P25/08; A61P25/14; A61P35/00; A61P25/06; A61K31/4025; C07D235/30; C07D401/04; C07D403/04; C07D413/12; A61P25/20; C07C255/37; A61P; C07C

Cooperative Patent Class: C07C235/08; C07C235/26; C07C255/44; C07C2601/02; C07C2601/04; C07C2601/08; C07C2601/14; C07C2601/16; A61K31/165; A61P25/00; A61P25/04; A61P25/06; A61P25/08; A61P25/14; A61P25/18; A61P25/22; A61P25/24; A61P25/28; A61P35/00

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PE20220345 A1	20220314	PE20220000184	20200730
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RU2022101643 A3	20240123	RU20220101643	20200730
RU2822797 C2	20240715	RU20220101643	20200730
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TW202120471 A	20210601	TW20200125815	20200730
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WO21023617 A1	20210211	WO2020EP71520	20200730
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Priority Numbers: EP20190189750 [20190802]; CN201910734123 [20190809]; EP20190191887 [20190815]; WO2020EP71520 [20200730]; CL20220000221 [20220127]; RU20220101643 [20200730]

Probable Patent Assignee: H LUNDBECK A S

Assignees: H LUNDBECK AS; SAMS ANETTE GRAVEN; LARSEN KRESTIAN; WANG XIAOFANG; DAS DEBASIS; HONG JIAN; CHEN SHU HUI; H RUNDBECK CO LTD; ROTTL NDER MARIO; H LUNDBECK A

Non Std Assignees: H LUNDBECK A S; ROTTLANDER MARIO; H RUNDBECK CO; KH LUNDBEKK A S

Inventors: ROTTL NDER MARIO; SAMS ANETTE GRAVEN; LARSEN KRESTIAN; WANG XIAOFANG; DAS DEBASIS; HONG JIAN; CHEN SHU HUI; ROTTLAENDER MARIO; SAMS ANETTE; CHEN SHU; ANETTE GRAVEN SAMS; MARIO ROTTLAENDER; KRESTIAN LARSEN; XIAOFANG WANG; DEBASIS DAS; JIAN HONG; SHU HUI CHEN; ROTTLANDER MARIO; ROTTLU NDER MARIO; LARSON KEVIN; DAS DIPANKAR; CHEN SHUHUI; ROTTL NDER MARIO; ROTTL NDER; WANG XIAO FANG

Non Std Inventors: ROTTALENDER MARIO; VANG SYAOFANG; KHUN TSZYN; CHEN SHU KHUEJ

Agent(s): SPRUSON AND FERGUSON; LAVERY DE BILLY LLP; SARGENT U0026 KRAHN; H LUNDBECK A S; LUNG TIN PATENT TRADEMARK AGENT LTD; MAROLITA SETIATI; DR SHLOMO COHEN AND CO; LAURA CAROLINA COLLADA SALCIDO; IVANOV MAKAROV I PARTNERY OOO; WOLF GREENFIELD AND SACKS PC; WOLF GREENFIELD AND SACKS PC; CONG TY TNHH TAM NHIN VA LIEN DANH; VISION AND ASSOCIATES CO LTD

Designated States: AL; AT; BA; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; ME; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; WS; ZA; ZM; ZW

4. Family 102737271 (WO24104814 A1)

[View in PatBase](#)

Title
[EN] FUNGICIDAL MIXTURE COMPRISING SUBSTITUTED PYRIDINES

Abstract
[EN] The present invention relates to fungicidal mixtures comprising at least one substituted pyridines (compounds I) and at least one active compound II in a weight ratio of from 100:1 to 1:100; to a method for controlling phytopathogenic harmful fungi using mixtures of at least one compound I and at least one compound II in a weight ratio of from 100:1 to 1:100; to the use of mixtures comprising compounds I and compounds II for controlling phytopathogenic harmful fungi; to agrochemical compositions comprising these mixtures; and to agrochemical compositions further comprising seed.

International Class: A01N37/50; A01N43/28; A01N43/653; A01N43/72; A01N43/80; A01N47/34; A01N47/38; A01P3/00

Cooperative Patent Class: A01N43/72; A01P3/00

Patent Number	Publication Date	Application Number	Application Date
WO24104814 A1	20240523	WO2023EP80906	20231107

Priority Numbers: EP20220207830 [20221116]

Probable Patent Assignee: BASF SE

Assignees: BASF SE

Inventors: SEEBERGER PHILIPP GEORG WERNER; GRAMMENOS WASSILIOS; MUELLER BERND; MERGET BENJAMIN JUERGEN; SCHUSTER ANNETTE; BRAHM LUTZ

Agent(s): BASF IP ASSOCIATION

Designated States: AE; AG; AL; AM; AO; AT; AU; AZ; BA; BB; BE; BF; BG; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CH; CI; CL; CM; CN; CO; CR; CU; CV; CY; CZ; DE; DJ; DK; DM; DO; DZ; EC; EE; EG; ES; FI; FR; GA; GB; GD; GE; GH; GM; GN; GQ; GR; GT; GW; HN; HR; HU; ID; IE; IL; IN; IQ; IR; IS; IT; JM; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY; MA; MC; MD; ME; MG; MK; ML; MN; MR; MT; MU; MW; MX; MY; MZ; NA; NE; NG; NI; NL; NO; NZ; OM; PA; PE; PG; PH; PL; PT; QA; RO; RS; RU; RW; SA; SC; SD; SE; SG; SI; SK; SL; SM; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; WS; ZA; ZM; ZW

5. Family 102737270 (WO24104813 A1)

[View in PatBase](#)

Title
[EN] FUNGICIDAL MIXTURE COMPRISING SUBSTITUTED PYRIDINES

Abstract
[EN] The present invention relates to fungicidal mixtures comprising at least one substituted pyridine (compound I) and at least one active compound II in a weight ratio of from 100:1 to 1:100; to a method for controlling phytopathogenic harmful fungi using mixtures of at least one compound I and at least one compound II in a weight ratio of from 100:1 to 1:100; to the use of mixtures comprising compounds I and compounds II for controlling phytopathogenic harmful fungi; to agrochemical compositions comprising these mixtures; and to agrochemical compositions further comprising seed.

International Class: A01N43/86; A01P3/00
Cooperative Patent Class: A01N43/86; A01P3/00

Family Information			
Patent Number	Publication Date	Application Number	Application Date
WO24104813 A1	20240523	WO2023EP80904	20231107

Priority Numbers: EP20220207147 [20221114]
Probable Patent Assignee: BASF SE

Assignees: BASF SE
Inventors: SEEBERGER PHILIPP GEORG WERNER; GRAMMENOS WASSILIOS; MUELLER BERND; MERGET BENJAMIN JUERGEN; SCHUSTER ANNETTE; BRAHM LUTZ
Agent(s): BASF IP ASSOCIATION

Designated States: AE; AG; AL; AM; AO; AT; AU; AZ; BA; BB; BE; BF; BG; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CH; CI; CL; CM; CN; CO; CR; CU; CV; CY; CZ; DE; DJ; DK; DM; DO; DZ; EC; EE; EG; ES; FI; FR; GA; GB; GD; GE; GH; GM; GN; GQ; GR; GT; GW; HN; HR; HU; ID; IE; IL; IN; IQ; IR; IS; IT; JM; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY; MA; MC; MD; ME; MG; MK; ML; MN; MR; MT; MU; MW; MX; MY; MZ; NA; NE; NG; NI; NL; NO; NZ; OM; PA; PE; PG; PH; PL; PT; QA; RO; RS; RU; RW; SA; SC; SD; SE; SG; SI; SK; SL; SM; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; WS; ZA; ZM; ZW

6. Family 75672266 (WO19161877 A1)

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Title

[EN] ALCOHOL DERIVATIVES AS KV7 POTASSIUM CHANNEL OPENERS

Abstract

[EN] The present invention provides novel compounds which activate the Kv7 potassium channels. Separate aspects of the invention are directed to pharmaceutical compositions comprising said compounds and uses of the compounds to treat disorders responsive to the activation of Kv7 potassium channels.

International Class: A61K31/165; A61P25/14; A61P25/18; A61P25/22; A61P25/24; A61P25/28; C07C235/08; C07C235/40; A61P25/00; A61P25/08; A61P25/20; C07C235/06; C07C235/26; A61P25/06; A61P43/00

Cooperative Patent Class: A61P25/00; A61P25/08; A61P25/14; A61P25/18; A61P25/20; A61P25/22; A61P25/24; A61P25/28; C07C235/06; C07C235/08; C07C235/26; C07C2601/02; C07C2601/04; C07C2601/08

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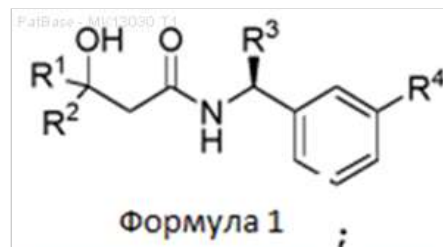
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TR2023008989 T4	20230821	TR20230008989T	20180220
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Priority Numbers: WO2018EP54057 [20180220]; BR20191121960 [20180220]; CN201880089423 [20180220]; CN202310501178 [20180220]; EP20180708346 [20180220]; EP20230176632 [20180220]

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; MA; MD; TN; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

7. Family 73260778 (US2020216398 AA)

[View in PatBase](#)

Title
[EN] NOVEL POTASSIUM CHANNEL INHIBITORS

Abstract
[EN] A compound of the general formula (I). The compounds of formula I are useful for treatment of a cardiac disease, disorder or condition in a mammal.

International Class: A61K31/4184; A61P9/00; C07D235/30; A61P43/00; A61P9/06; A61P9/10

Cooperative Patent Class: A61P9/00; C07D235/30

Patent Number	Publication Date	Application Number	Application Date
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CN111344281 B	20231114	CN201880065901	20180813
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US11098018 BB	20210824	US20200638590	20180813
US2020216398 AA	20200709	US20200638590	20180813
WO19034603 A1	20190221	WO2018EP71911	20180813

Priority Numbers: EP20170020353 [20170814]; WO2018EP71911 [20180813]

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Assignees: ACESION PHARMA APS

Non Std Assignees: SORENSEN ULRIK; METE ANTONIO

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Designated States: AL; AT; BA; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; ME; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

8. Family 75591472 (US2019256456 AA)

[View in PatBase](#)

Title

[EN] ALCOHOL DERIVATIVES AS KV7 POTASSIUM CHANNEL OPENERS

Abstract

[EN] The present invention provides novel compounds which activate the Kv7 potassium channels. Separate aspects of the invention are directed to pharmaceutical compositions comprising said compounds and uses of the compounds to treat disorders responsive to the activation of Kv7 potassium channels.

International Class: A61P25/04; A61P25/06; A61P25/08; A61P25/18; A61P25/22; A61P25/24; A61P25/28; C07C235/06; C07C235/08; C07C235/26

Cooperative Patent Class: A61P25/04; A61P25/06; A61P25/08; A61P25/18; A61P25/22; A61P25/24; A61P25/28; C07B2200/07; C07C235/06; C07C235/08; C07C235/26; C07C2601/02; C07C2601/04

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US2020172474 AA	20200604	US20200781106	20200204
US2022380300 AA	20221201	US20220869116	20220720

Priority Numbers: US20180899843 [20180220]; US20200781106 [20200204]; US20220869116 [20220720]

Probable Patent Assignee: H LUNDBECK AS

Assignees: H LUNDBECK AS

Non Std Assignees: H LUNDBECK A S

Inventors: ROTTLANDER MARIO; SAMS ANETTE GRAVEN; WANG XIAOFANG; DAS DEBASIS; HONG JIAN; CHEN SHU HUI

Agent(s): WOLF GREENFIELD AND SACKS PC; WOLF GREENFIELD AND SACKS PC

9. Family 66781411 (US2021188804 AA)

[View in PatBase](#)

Title

[EN] NOVEL POTASSIUM CHANNEL INHIBITORS

Abstract

[EN] The present invention relates to a compound of the general formula (I). The compounds of formula I are useful for treatment of a cardiac disease, disorder or condition in a mammal.

International Class: A61K31/4188; A61P9/00; C07D235/30; C07D401/12; C07D403/12; C07D405/12; C07D413/12; C07D417/12; A61K31/4184; A61K31/422; A61K31/423; A61K31/427; A61K31/4439; A61K31/454; A61K31/496; A61K31/506; A61K31/5377; A61P9/06; A61P9/10; C07D491/107

Cooperative Patent Class: A61P9/00; A61P9/06; A61P9/10; C07D235/30; C07D401/12; C07D403/12; C07D405/12; C07D413/12; C07D417/12; C07D491/107

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Priority Numbers: EP20160020053 [20160224]; WO2017EP25033 [20170223]; EP20170708164 [20170223]

Probable Patent Assignee: ACESION PHARMA APS

Assignees: ACESION PHARMA APS

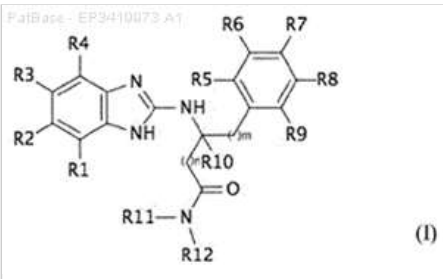
Non Std Assignees: SORENSEN ULRIK SVANE; METE ANTONIO

Inventors: SORENSEN ULRIK SVANE; METE ANTONIO

Non Std Inventors: SRENSSEN ULRIK SVANE; SOERENSEN ULRIK SVANE

Agent(s): OSLER HOSKIN AND HARCOURT LLP; HERNANDEZ YORCK DIPL ING; KJERRUMGAARD LARS BO; ANA SAEZ MAESO; ASAMURA PATENT OFFICE PC; MAIER AND MAIER PLLC; MAIER AND MAIER PLLC

Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW



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[EN] COMPOSITIONS, SYNTHESIS, AND METHODS OF UTILIZING ARYLPIPERAZINE DERIVATIVES

[EN] The present invention provides arylpiperazine derivatives which can be advantageously used for treating schizophrenia and related psychoses such as acute manic, bipolar disorder, autistic disorder and depression.

Cooperative Patent Class: A61K31/497; A61K31/538; A61P25/00; A61P25/18; A61P25/24; C07D265/36; C07D413/12

US Class: 1/1; 514/224.2; 514/224.200P; 514/230.5; 514/230.500P; 514/249; 514/252.17; 514/252.170P; 514/266.3; 544/105; 544/105S; 544/285; 544/285S; 544/354; 544/52; 544/52S

Patent Number	Publication Date	Application Number	Application Date
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BRPI1009757 B1	20200114	BR2010PI09757	20100226
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US9255076 BB	20160209	US20150630458	20150224
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WO10099503 A1	20100902	WO2010US25688	20100226
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Priority Numbers: US20090155791P [20090226]; WO2010US25687 [20100226]; CN201080019233 [20100226]; EP20100746949 [20100226]; US20100714406 [20100226]; US20100714407 [20100226]; US20120465549 [20120507]; US20120465439 [20120507]; US20130914424 [20130610]; US20140489331 [20140917]; US20150630458 [20150224]; US20160018174 [20160208]; US20170470216 [20170327]

Probable Patent Assignee: REVIVA PHARMACEUTICALS INC

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Designated States: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; SE; SI; SK; SM; TR; AE; AG; AL; AM; AO; AU; AZ; BA; BB; BF; BH; BJ; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; ME; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PE; PG; PH; RS; RU; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

11. Family 41556195 (US2008139610 AA)

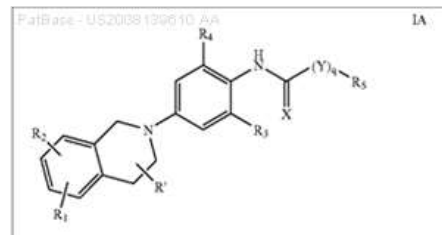
[View in PatBase](#)

Title

[EN] DERIVATIVES OF 4-(N-AZACYCLOALKYL) ANILIDES AS POTASSIUM CHANNEL MODULATORS

Abstract

[EN] This invention provides a compound of formula IA where X=O or S; Y is O or S; q=1 or 0; and other substituents are defined herein. Such compounds can affect the opening of, or otherwise modulate, voltage-gated potassium channels. They are potentially useful for the treatment and prevention of diseases and disorders which are affected by activation or modulation of potassium ion channels. One such condition is seizure disorders.



International Class: A61K31/47; A01N37/36; A61K31/472; A61P25/08; C07D217/04; C07D217/12; C07D217/14; C07D217/16; A61K; C07D; A61P; A61P43/00; C07D217/18; A61K9/10; A61K9/20; A61K9/48; A61P25/00; C07D217/00; A61P25/04; A61K31/175; A61K9/00; C07D217/24; C07D217/02; C07D217/22; A61P9/00

Cooperative Patent Class: A61K31/47; A61P25/00; A61P25/08; A61P43/00; C07D217/12; C07D217/14; C07D217/16; C07D217/18; C07D217/24; A61K31/175; A61K9/0019; A61K9/0053; A61P25/04; C07D217/04

US Class: 514/307; 514/309; 546/141; 546/144; 546/144S

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Patent Number	Publication Date	Application Number	Application Date
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US2011003850 AA	20110106	US20100698070	20100201
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US8993593 BB	20150331	US20100698070	20100201
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Priority Numbers: US20060839941P [20060823]; WO2007US18571 [20070822]; US20100698070 [20100201]; WO2011US22345 [20110125]; AU20070288253 [20070822]; AU20130211531 [20130802]; EP20070837199 [20070822]; IN2012CN06772 [20110125]; US20070894877 [20070822]

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Designated States: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MT; NL; PL; PT; RO; SE; SI; SK; TR; AL; BA; HR; MK; RS; NO; SM; AE; AG; AM; AU; AZ; BB; BF; BH; BJ; BR; BW; BY; BZ; CA; CF; CG; CI; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; ME; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PG; PH; RU; SC; SD; SG; SL; SN; SV; SY; SZ; TD; TG; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW; AO; CL; PE; ST; TH

12. Family 48257666 (US2012202821 AA)

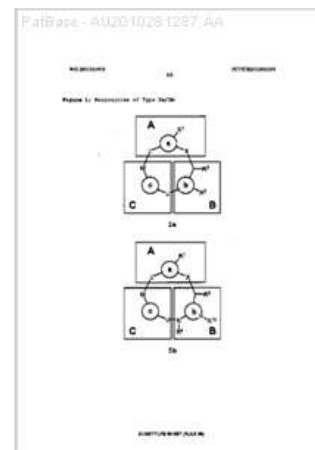
[View in PatBase](#)

Title

[EN] CONFORMATIONALLY CONSTRAINED, FULLY SYNTHETIC MACROCYCLIC COMPOUNDS

Abstract

[EN] Conformationally restricted, spatially defined 12-30 membered macrocyclic ring systems of type (I) are constituted by three distinct building blocks: an aromatic template a, a conformation modulator b and a spacer moiety c as detailed in the description and the claims. Macrocycles of type (I) are readily manufactured by parallel synthesis or combinatorial chemistry. They are designed to interact with specific biological targets. In particular, they show agonistic or antagonistic activity on the motilin receptor (MR receptor), on the serotonin receptor of subtype 5-HT2B (5-HT2B receptor), and on the prostaglandin F2•receptor (FP receptor). They are thus potentially useful for the treatment of hypomotility disorders of the gastrointestinal tract such as diabetic gastroparesis and constipation type irritable bowel syndrome; of CNS related diseases like migraine, schizophrenia, psychosis or depression; of ocular hypertension such as associated with glaucoma and preterm labour.



International Class: A61K31/4745; A61K31/695; A61P1/06; A61P25/24; C07D498/04; C07D498/18; C07F7/08; C07D497/18; A61K31/407; A61K31/439; A61K31/4748; A61K31/4985; A61P1/00; A61P15/06; A61P25/06; A61P25/18; A61P27/02; C07D498/08; A61K; A61P; C07D; C07F; A61K38/00; A61K9/02; A61K9/06; A61K9/08; A61K9/10; A61K9/107; A61K9/12; A61K9/20; A61K9/48; A61P25/00; A61P25/28; A61P27/06; A61P43/00; C07K5/12; A61K31/4439; A61K9/70; A61K9/72; A61P15/00; A61P25/04; A61P3/10; C07D513/08; A61K31/437; A61P19/00; A61P29/00; A61P35/00; C07D273/00; C07D273/02

Cooperative Patent Class: A61K31/407; A61K31/437; A61K31/4985; A61P1/00; A61P1/06; A61P15/06; A61P19/00; A61P25/00; A61P25/06; A61P25/18; A61P25/24; A61P25/28; A61P27/02; A61P27/06; A61P29/00; A61P35/00; A61P43/00; C07D497/18; C07D498/04; C07D498/18; C07D498/08; Y02P20/55

US Class: 1/1; 514/250; 514/286; 514/286S; 514/409; 514/411; 514/411S; 540/453; 540/455; 540/455S

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Patent Number	Publication Date	Application Number	Application Date
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WO11014973 A3	20110421	WO2010CH00191	20100803
WO11015241 A1	20110210	WO2009EP60168	20090805

Priority Numbers: WO2009EP60168 [20090805]; AU20090350857 [20090805]; WO2010CH00191 [20100803]; CN200980160767 [20090805]; CN201510344719 [20090805]; EP20090781527 [20090805]; EP20100743003 [20100803]; JP20120523207 [20090805]; JP20120523207T [20090805]; JP20150076227 [20150402]; JP20150076227 [20090805]; JP20170093788 [20170510]; EP20090060168 [20090805]

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Designated States: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; SE; SI; SK; SM; TR; AL; BA; RS; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PE; PG; PH; RU; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW; TH

13. Family 76184221 (AR111979 AA)

[View in PatBase](#)

Title

[MT] ALCOHOL DERIVATIVES AS POTASSIUM CHANNEL OPENERS KV7

Abstract

[MT] Provided herein are compounds that activate Kv7 potassium channels. The separate aspects relate to pharmaceutical compositions comprising said compounds and uses of the compounds to treat disorders responsive to the activation of the KV7 potassium channels. Claim 1: a compound of formula (1), where the R¹ is selected from the group consisting of C1-C4 alkyl, C1?6, CF3, CH2CF3, CF2CHF2, C3?8 cycloalkyl, wherein said cycloalkyl, C3?8 may be substituted with 1 or 2 F, CHF2 or CF3, and R² is H, C1-C4 alkyl, C1?6 or CF3; or R¹ and R² combine to form C3-C8 cycloalkyl optionally substituted with 1 or 2 5?F, CHF2 or CF3; R³ is C1-C4 alkyl, C1?3 or CH2O-C1-C4 alkyl, C1-C4 alkyl, C1?3?3, said or CH2O-C1-C4 alkyl, C1?3 may be optionally substituted with 1 or 2 F; R4 is selected from the group consisting of OCF3, OCH2CF3 or CHF2.

International Class: A61K31/16; A61P25/00; C07C235/02; C07C235/04

Family Information

Patent Number	Publication Date	Application Number	Application Date
AR111979 AA	20190911	AR2018P100394	20180220

Priority Numbers: AR2018P100394 [20180220]

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Assignees: H LUNDBECK AS

Non Std Assignees: H LUNDBECK A S

14. Family 52403873 (US2014336198 AA)

[View in PatBase](#)

Title
[EN] AMINE DERIVATIVES AS POTASSIUM CHANNEL BLOCKERS

Abstract
[EN] The present invention relates to compounds useful in the modulation of potassium channel activity in cells, in particular the activity of Kv1.3 channels found in T cells. The invention also relates to the use of these compounds in the treatment or prevention of autoimmune and inflammatory diseases, including multiple sclerosis, pharmaceutical compositions containing these compounds and methods for their preparation.

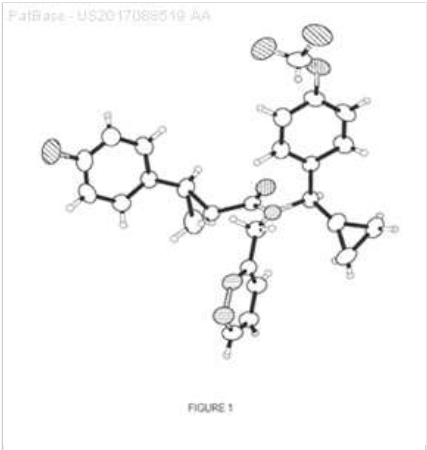
International Class: A61K31/165; A61K31/351; A61K31/415; A61K31/4164; A61K31/44; A61K31/4402; A61K31/4427; A61K31/4436; A61K31/445; A61K31/454; A61K31/4965; A61K31/50; A61K31/505; A61P37/06; C07C233/06; C07D209/52; C07D211/16; C07D211/26; C07D211/38; C07D213/16; C07D213/61; C07D213/64; C07D213/70; C07D213/89; C07D231/12; C07D233/56; C07D237/08; C07D239/24; C07D241/12; C07D309/14; C07D401/12; C07D405/12; C07D411/12; C07D413/12; A61K; A61P; C07C; C07D; A61K31/443; A61K31/4439; A61K31/453; A61K31/4545; A61K31/46; A61P1/02; A61P13/12; A61P17/00; A61P17/06; A61P25/00; A61P29/00; A61P3/04; A61P31/08; A61P35/00; A61P37/02; A61P43/00; A61P9/00; C07C315/04; C07C317/24; C07C317/32; C07D213/40; C07D233/64; C07D241/18; C07D451/04; C07D213/75; C07D239/26; C07D239/34; C07C217/90; A61K31/497

Cooperative Patent Class: A61P1/02; A61P13/12; A61P17/00; A61P17/06; A61P25/00; A61P29/00; A61P3/04; A61P31/08; A61P35/00; A61P37/02; A61P37/06; A61P43/00; A61P9/00; C07C217/90; C07C2601/02; C07C317/32; C07D209/52; C07D211/16; C07D211/26; C07D211/38; C07D213/16; C07D213/40; C07D213/61; C07D213/64; C07D213/70; C07D213/89; C07D231/12; C07D233/56; C07D233/64; C07D237/08; C07D239/24; C07D239/26; C07D239/34; C07D241/12; C07D241/18; C07D309/14; C07D401/12; C07D405/12; C07D411/12; C07D413/12; C07D451/04

US Class: 1/1; 514/210.2; 514/247; 514/252.1; 514/304; 514/337; 514/338; 514/340; 514/346; 514/351; 514/357; 544/224; 544/408; 546/124; 546/269.1; 546/272.4; 546/281.1; 546/284.1; 546/291; 546/300; 546/337

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Patent Number	Publication Date	Application Number	Application Date
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Priority Numbers: US20110486536P [20110516]; WO2012AU00538 [20120516]; EP20120785759 [20120516]; US20120118170 [20120516]; US20150668272 [20150325]; US20140118170 [20140730]; US20160366513 [20161201]; US20180876960 [20180122]

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BA; BB; BF; BH; BJ; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; ME; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PE; PG; PH; QA; RU; RW; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

15. Family 42960649 (US2009137635 AA)

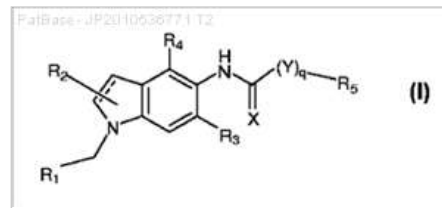
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Title

[EN] DERIVATIVES OF 5-AMINO-4,6-DISUBSTITUTED INDOLE AND 5-AMINO-4,6-DISUBSTITUTED INDOLINE AS POTASSIUM CHANNEL MODULATORS

Abstract

[EN] This invention provides compounds of formula I where the dashed line represents an optional double bond; where R₁ is phenyl, naphthyl, pyridyl, pyrimidyl, pyrrolyl, imidazolyl, pyrazyl, furyl, thienyl, oxazolyl, isoxazolyl, thiazolyl, or isothiazolyl, optionally substituted, and other substituents are defined herein. Such compounds are potassium channel modulators.



International Class: A61K31/403; A61K31/404; A61P25/00; A61P25/08; C07D209/00; C07D209/08; C07D401/00; C07D401/06; A61K31/4439; A61P43/00; C07D209/22; A61K31/4427; C07D209/20

Cooperative Patent Class: A61P25/08; A61P43/00; C07D209/08; C07D401/06

US Class: 514/339; 514/415; 514/415S; 514/419; 546/277.4; 546/277.400S; 548/490; 548/490S; 548/495; 548/510

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US8211918 BB	20120703	US20100856514	20100813
WO09023677 A1	20090219	WO2008US72926	20080812

Priority Numbers: US20070964526P [20070813]; US20080189709 [20080811]; WO2008US72926 [20080812]; EP20080827266 [20080812]; US20100856514 [20100813]

Probable Patent Assignee: VALEANT PHARMACEUTICALS INT

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Designated States: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MT; NL; NO; PL; PT; RO; SE; SI; SK; TR; AL; BA; MK; RS; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BR; BW; BY; BZ; CA; CF; CG; CI; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; ME; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PG; PH; RU; SC; SD; SG; SL; SM; SN; ST; SV; SY; SZ; TD; TG; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

16. Family 42970358 (US2009062290 AA)

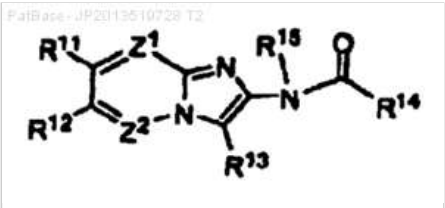
[View in PatBase](#)

Title

[EN] HETEROCYCLES AS POTASSIUM CHANNEL MODULATORS

Abstract

[EN] Compounds, compositions and methods are provided which are useful in the treatment of diseases through the modulation of potassium ion flux through voltage-dependent potassium channels. More particularly, the invention provides heterocycles, compositions and methods that are useful in the treatment of central or peripheral nervous system disorders (e.g., migraine, ataxia, Parkinson's disease, bipolar disorders, trigeminal neuralgia, spasticity, mood disorders, brain tumors, psychotic disorders, myokymia, seizures, epilepsy, seizure, retinal degeneration, hearing and vision loss, Alzheimer's disease, age-related memory loss, learning deficiencies, anxiety, neuronal degeneration and motor neuron diseases, maintaining bladder control or treating urinary incontinence) and as neuroprotective agents (e.g., to prevent stroke and the like) by modulating potassium channels associated with the onset or recurrence of the indicated conditions.



International Class: A01N43/48; A01N43/50; A61K31/415; A61K31/535; C07D471/00; A61K31/4353; A61K31/437; A61K31/5025; A61K31/519; A61P25/00; C07D471/04; C07D487/00; C07D487/04; A61K31/537; A01N; A61K; A61K31/444; A61P13/10; A61P25/02; A61P25/04; A61P25/06; A61P25/08; A61P25/14; A61P25/16; A61P25/22; A61P25/24; A61P25/28; A61P27/02; A61P43/00; A61P9/00; A61P25/18; A61P27/16; A61P29/00; A61K31/4545; A61K31/506; C07D235/00; C07D235/06; C07D235/30; C07D417/00; C07D417/04; C12N5/06; A61P27/00; C12N5/02; A01N43/58; A01N43/60; A61K31/495; A61K31/50; A61K31/4188

Cooperative Patent Class: A61P13/10; A61P25/00; A61P25/02; A61P25/04; A61P25/06; A61P25/08; A61P25/14; A61P25/16; A61P25/22; A61P25/24; A61P25/28; A61P27/02; A61P43/00; A61P9/00; C07D471/04; C07D487/04; A61K31/5025; A61P25/18; A61P27/00; A61P27/16; A61P29/00

US Class: 435/375; 435/375S; 514/248; 514/259.1; 514/259.100S; 514/300; 514/300S; 514/393; 544/236; 544/236S; 544/281; 544/281S; 546/121; 546/121S; 548/302.7

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Patent Number	Publication Date	Application Number	Application Date
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CA2788783 AA	20110825	CA20112788783	20110202
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MX2010001824 A1	20100421	MX20100001824	20080818
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US8431608 BB	20130430	US20100706574	20100216
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Patent Number	Publication Date	Application Number	Application Date
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WO11102964 A1	20110825	WO2011US23444	20110202

Priority Numbers: US20070956640P [20070817]; US20080078241P [20080703]; WO2008US73519 [20080818]; US20100706574 [20100216]; WO2011US23444 [20110202]; EP20080827711 [20080818]; US20080193639 [20080818]; US20130756759 [20130201]

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Designated States: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MT; NL; NO; PL; PT; RO; SE; SI; SK; TR; AL; BA; MK; RS; SM; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BR; BW; BY; BZ; CA; CF; CG; CI; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; ME; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PG; PH; RU; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW; CL; PE; TH

17. Family 52367791 (US2012289500 AA)

[View in PatBase](#)

Title

[EN] POTASSIUM CHANNEL MODULATORS

Abstract

[EN] Disclosed herein are KCNQ potassium channels modulators of formula (I) wherein ring G¹, R¹, and R² are as defined in the specification. Compositions comprising such compounds; and methods for treating conditions and disorders using such compounds and compositions are also described.

International Class: A61K31/501; A61K31/5377; A61K31/541; A61P25/00; C07D401/04; C07D413/04; C07D417/04; A01N43/58; A61K31/50; C07D403/00; A61K31/502; A61P25/06; A61P25/08; A61P25/18; A61P25/22; C07D237/32; C07D237/34; C07D401/06; C07D405/04; C07D405/12; C07D405/14; C07D409/04; C07D413/12

Cooperative Patent Class: A61K31/502; A61P25/00; A61P25/06; A61P25/08; A61P25/18; A61P25/22; C07D237/32; C07D237/34; C07D401/04; C07D401/06; C07D405/04; C07D405/12; C07D405/14; C07D409/04; C07D413/12

US Class: 514/228.2; 514/234.5; 514/247; 514/248; 544/119; 544/224; 544/235; 544/237; 544/58.2; 544/58.6

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Patent Number	Publication Date	Application Number	Application Date
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US8859549 BB	20141014	US20120466490	20120508
WO12158399 A1	20121122	WO2012US36918	20120508

Priority Numbers: US20110485828P [20110513]; US20120466490 [20120508]

Probable Patent Assignee: ABBVIE INC

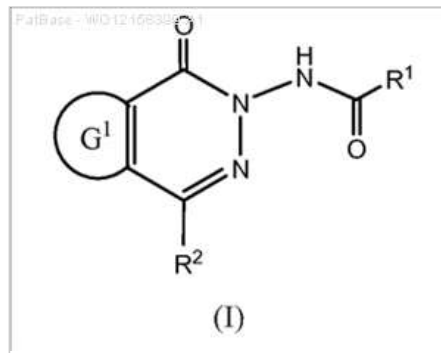
Assignees: ABBOTT LAB; PEDDI SRIDHAR; BROWN BRIAN S; PEREZ MEDRANO ARTURO; DEGOEY DAVID; LI TONGMEI; ABBVIE INC

Non Std Assignees: ABBOTT LABORATORIES

Inventors: BROWN BRIAN S; LI TONGMEI; DEGOEY DAVID; PEREZ MEDRANO ARTURO; PEDDI SRIDHAR

Agent(s): REININGER IRENE M ET AL

Designated States: AE; AG; AL; AM; AO; AT; AU; AZ; BA; BB; BE; BF; BG; BH; BJ; BR; BW; BY; BZ; CA; CF; CG; CH; CI; CL; CM; CN; CO; CR; CU; CY; CZ; DE; DK; DM; DO; DZ; EC; EE; EG; ES; FI; FR; GA; GB; GD; GE; GH; GM; GN; GQ; GR; GT; GW; HN; HR; HU; ID; IE; IL; IN; IS; IT; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY; MA; MC; MD; ME; MG; MK; ML; MN; MR; MT; MW; MX; MY; MZ; NA; NE; NG; NI; NL; NO; NZ; OM; PE; PG; PH; PL; PT; QA; RO; RS; RU; RW; SC; SD; SE; SG; SI; SK; SL; SM; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW



18. Family 48962799 (US2011124642 AA)

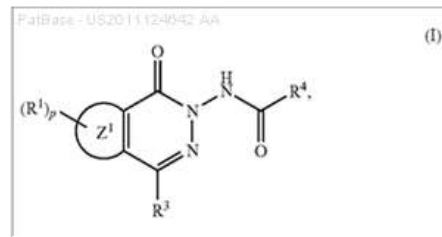
[View in PatBase](#)

Title

[EN] POTASSIUM CHANNEL MODULATORS

Abstract

[EN] Disclosed herein are KCNQ potassium channels modulators of formula (I) wherein ring Z1, R1, p, R3, and R4 are as defined in the specification. Compositions comprising such compounds; and methods for treating conditions and disorders using such compounds and compositions are also described.



International Class: A61K31/502; A61P29/00; C07D237/24; C07D401/12; C07D405/04; C07D471/04; C07D495/04; A61K31/50; A61K31/5025; A61K31/5377; A61P13/10; A61P25/06; A61P25/08; A61P25/18; A61P25/22; A61P25/30; A61P43/00; C07D237/14; C07D237/26; C07D237/30; C07D409/12; A61P25/00; C07D237/32; C07D413/12; A01N43/58; C07D487/00

Cooperative Patent Class: A61P13/10; A61P25/00; A61P25/06; A61P25/08; A61P25/18; A61P25/22; A61P25/30; A61P29/00; A61P43/00; C07D237/24; C07D401/12; C07D405/04; C07D471/04; C07D495/04

US Class: 514/234.5; 514/234.500P; 514/248; 514/248S; 514/249; 514/250; 544/119; 544/119S; 544/235; 544/235S; 544/236; 544/236S; 544/237; 544/237S

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Patent Number	Publication Date	Application Number	Application Date
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EP2504317 A1	20121003	EP20100784389	20101118
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TW201129548 A	20110901	TW20100140867	20101125
US2011124642 AA	20110526	US20100949435	20101118
US8629143 BB	20140114	US20100949435	20101118
WO11066168 A1	20110603	WO2010US57224	20101118

Priority Numbers: US20090264337P [20091125]; WO2010US57224 [20101118]; US20100949435 [20101118]

Probable Patent Assignee: ABBVIE INC

Assignees: ABBOTT LAB; PEDDI SRIDHAR; PEREZ MEDRANO ARTURO; LI TONGMEI; BROWN BRIAN S; ABBVIE INC

Non Std Assignees: ABBOTT LABORATORIES

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Agent(s): TORYS LLP; MODIANO MICAELA NADIA; MODIANO AND PARTNERS; KAWAGUTI AND PARTNERS; CESAR RAMOS DE MIGUEL; PARIAL ANDREW M

Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BA; BB; BF; BH; BJ; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; ME; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PE; PG; PH; RU; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

19. Family 51107784 (US2012122888 AA)

[View in PatBase](#)

Title

[EN] POTASSIUM CHANNEL MODULATORS

Abstract

[EN] Disclosed herein are KCNQ potassium channels modulators of formula (I) wherein R¹, R², R³, R⁴, and R⁵ are as defined in the specification. Compositions comprising such compounds; and methods for treating conditions and disorders using such compounds and compositions are also described.



International Class: A61K31/519; A61P25/04; C07D487/04; A01N43/90; C07D487/00; A61P29/00

Cooperative Patent Class: A61P25/04; A61P29/00; C07D487/04

US Class: 514/259.3; 514/259.300P; 544/281; 544/281S

Family Information

Patent Number	Publication Date	Application Number	Application Date
US2012122888 AA	20120517	US20110287635	20111102
US8609669 BB	20131217	US20110287635	20111102
WO12067822 A1	20120524	WO2011US58939	20111102

Priority Numbers: US20100414275P [20101116]; US20110287635 [20111102]

Probable Patent Assignee: ABBVIE INC

Assignees: ABBOTT LAB; PEREZ MEDRANO ARTURO; SHI LEI; SCANIO MARC J; BUNNELLE WILLIAM H; OSUMA AUGUSTINE T; VAN CAMP JENNIFER; DEGOEY DAVID; PATEL JYOTI R; PEDDI SRIDHAR; XU XIANGDONG; ABBVIE INC; XU XIANDONG

Non Std Assignees: ABBOTT LABORATORIES

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Agent(s): REININGER IRENE M ET AL

Designated States: AE; AG; AL; AM; AO; AT; AU; AZ; BA; BB; BE; BF; BG; BH; BJ; BR; BW; BY; BZ; CA; CF; CG; CH; CI; CL; CM; CN; CO; CR; CU; CY; CZ; DE; DK; DM; DO; DZ; EC; EE; EG; ES; FI; FR; GA; GB; GD; GE; GH; GM; GN; GQ; GR; GT; GW; HN; HR; HU; ID; IE; IL; IN; IS; IT; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY; MA; MC; MD; ME; MG; MK; ML; MN; MR; MT; MW; MX; MY; MZ; NA; NE; NG; NI; NL; NO; NZ; OM; PE; PG; PH; PL; PT; QA; RO; RS; RU; RW; SC; SD; SE; SG; SI; SK; SL; SM; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

20. Family 34194448 (US2009124665 AA)

[View in PatBase](#)

Title

[EN] POTASSIUM CHANNEL INHIBITORS

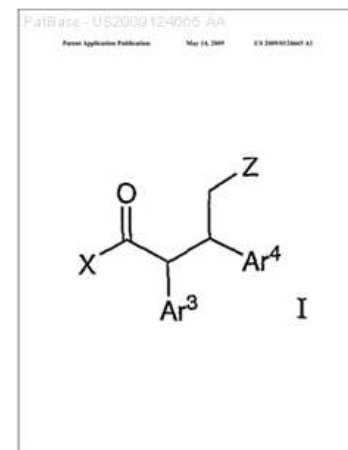
Abstract

[EN] The present invention relates to compounds having the structure (I) useful as potassium channel inhibitors to treat cardiac arrhythmias, and the like.

International Class: A01N37/12; A01N37/44; A61K31/185; A61K31/195; A61P9/00; A61P9/06; C07C237/00; C07C237/06; C07D213/00; C07D213/56; C07D401/00; C07D401/06; C07D401/12; C07D407/00; C07D407/12; C07D413/00; C07D413/06; C07D413/12; C07D417/00; C07D417/12; A61K31/4406; A61K31/4427; A61K31/4439; A61P35/00; A61P43/00; A61P9/04; A61P9/10; A61K31/443; A61K31/5377; C07D213/46; C07D401/02; C07D413/02

Cooperative Patent Class: A61P35/00; A61P43/00; A61P9/04; A61P9/06; A61P9/10; C07D213/56; C07D401/06; C07D413/06

US Class: 514/277; 514/277S; 514/340; 546/268.4; 546/268.400S; 546/269.1; 546/269.100S; 546/271.4; 546/271.400S; 546/342; 546/342S



Family Information

Patent Number	Publication Date	Application Number	Application Date
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AU2006276292 BB	20100916	AU20060276292	20060718
CA2615440 AA	20080115	CA20062615440	20060718
EP1909572 A2	20080416	EP20060787440	20060718
EP1909572 A4	20100908	EP20060787440	20060718
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US2009124665 AA	20090514	US20060988393	20060718
US8278317 BB	20121002	US20060988393	20060718
WO07015775 A2	20070208	WO2006US27530	20060718
WO07015775 A3	20070913	WO2006US27530	20060718

Priority Numbers: US20050701801P [20050722]; WO2006US27530 [20060718]; US20060988393 [20060718]

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Designated States: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LI; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR; AE; AG; AL; AM; AU; AZ; BA; BB; BF; BJ; BR; BW; BY; BZ; CA; CF; CG; CI; CM; CN; CO; CR; CU; DM; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GW; HN; HR; ID; IL; IN; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; MK; ML; MN; MR; MW; MX; MZ; NA; NE; NG; NI; NO; NZ; OM; PG; PH; RS; RU; SC; SD; SG; SL; SM; SN; SY; SZ; TD; TG; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

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[EN] METHOD OF TREATING KCNQ RELATED DISORDERS

[EN] The instant invention describes methods of treating KCNQ related diseases and disorders

International Class: A61K31/166; A61K31/167; A61K31/44; A61K31/505; A61K31/506; A61P25/00; A61P25/18

Cooperative Patent Class: A61K31/166; A61K31/167; A61K31/44; A61K31/505; A61K31/506; A61K45/06; A61P25/00; A61P25/18

Patent Number	Publication Date	Application Number	Application Date
WO11085351 A2	20110714	WO2011US20784	20110111
WO11085351 A9	20111222	WO2011US20784	20110111

Priority Numbers: US20100293874P [20100111]

Probable Patent Assignee: UNIV JOHNS HOPKINS

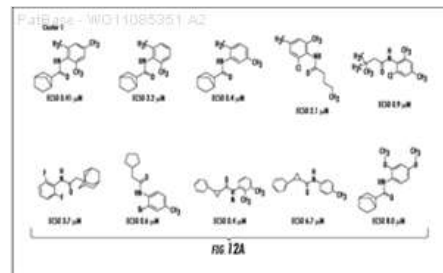
Assignees: LONG SHUNYOU; LI MIN; UNIV JOHNS HOPKINS; YU HAIBO; MCMANUS OWEN B

Non Std Assignees: THE JOHNS HOPKINS UNIVERSITY; JOHNS HOPKINS UNIV

Inventors: LONG SHUNYOU; LI MIN; YU HAIBO; MCMANUS OWEN B

Agent(s): BAKALYAR HEATHER

Designated States: AE; AG; AL; AM; AO; AT; AU; AZ; BA; BB; BE; BF; BG; BH; BJ; BR; BW; BY; BZ; CA; CF; CG; CH; CI; CL; CM; CN; CO; CR; CU; CY; CZ; DE; DK; DM; DO; DZ; EC; EE; EG; ES; FI; FR; GA; GB; GD; GE; GH; GM; GN; GQ; GR; GT; GW; HN; HR; HU; ID; IE; IL; IN; IS; IT; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY; MA; MC; MD; ME; MG; MK; ML; MN; MR; MT; MW; MX; MY; MZ; NA; NE; NG; NI; NL; NO; NZ; OM; PE; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SI; SK; SL; SM; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW



22. Family 33255901 (US2006189603 AA)

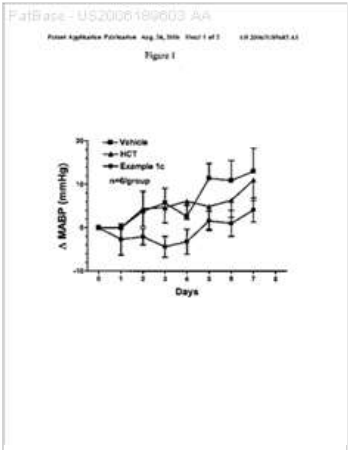
[View in PatBase](#)

Title

[EN] NITRIC OXIDE ENHANCING DIURETIC COMPOUNDS, COMPOSITIONS AND METHODS OF USE

Abstract

[EN] The invention describes novel compositions and kits comprising at least one nitric oxide enhancing diuretic compound, or pharmaceutically acceptable salts thereof, and, optionally, at least one nitric oxide enhancing compound and/or at least one therapeutic agent. The invention also provides methods for (a) treating conditions resulting from excessive water and/or electrolyte retention; (b) treating cardiovascular diseases; (c) treating renovascular diseases; (d) treating diabetes; (e) treating diseases resulting from oxidative stress; (f) treating endothelial dysfunctions; (g) treating diseases caused by endothelial dysfunctions; (h) treating cirrhosis; (j) treating pre-eclampsia; (k) treating osteoporosis; (l) treating nephropathy; (m) treating peripheral vascular diseases; (n) treating portal hypertension; (o) treating central nervous system disorders; (p) treating metabolic syndrome; (q) treating sexual dysfunctions; and (r) hyperlipidemia. The nitric oxide enhancing diuretic compounds comprise at least one nitric oxide enhancing group linked to the diuretic compound through one or more sites such as carbon, oxygen and/or nitrogen via a bond or moiety that cannot be hydrolyzed.



International Class: A61K31/549; C07D417/00; C07D417/02; A61K45/00; A61K45/06; A61P1/00; A61P1/14; A61P1/16; A61P11/00; A61P13/00; A61P13/02; A61P13/12; A61P15/00; A61P15/02; A61P15/10; A61P17/00; A61P19/00; A61P19/02; A61P25/00; A61P25/02; A61P25/18; A61P25/24; A61P25/28; A61P25/32; A61P25/36; A61P27/00; A61P27/06; A61P29/00; A61P3/00; A61P3/06; A61P3/10; A61P3/12; A61P31/00; A61P31/04; A61P35/00; A61P37/00; A61P39/00; A61P39/06; A61P43/00; A61P5/00; A61P5/18; A61P5/50; A61P7/00; A61P7/02; A61P7/04; A61P7/10; A61P9/00; A61P9/04; A61P9/06; A61P9/10; A61P9/12; A61P9/14; C07D285/00; C07D285/30; C07D417/04; C07D417/06; C07D513/00; C07D513/10; C07D285/24

Cooperative Patent Class: A61P1/14; A61P1/16; A61P11/00; A61P13/00; A61P13/02; A61P13/12; A61P15/00; A61P15/02; A61P15/10; A61P17/00; A61P19/02; A61P25/00; A61P25/02; A61P25/18; A61P25/24; A61P25/28; A61P25/32; A61P25/36; A61P27/06; A61P29/00; A61P3/06; A61P3/10; A61P3/12; A61P31/04; A61P35/00; A61P37/00; A61P39/06; A61P43/00; A61P5/18; A61P5/50; A61P7/02; A61P7/04; A61P7/10; A61P9/00; A61P9/04; A61P9/06; A61P9/10; A61P9/12; A61P9/14; C07D285/28; C07D285/30; C07D285/32; C07D417/04; C07D417/06; C07D513/10

US Class: 514/223.2; 514/223.200P; 514/223.200S; 514/223.5; 514/223.500P; 544/13; 544/13S; 544/48; 544/6; 544/6S

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Priority Numbers: US20050655414P [20050224]; US20050656545P [20050228]; US20050685027P [20050526]; US20050749853P [20051213]; US20050692228P [20050621]; WO2006US06375 [20060224]; US20060360599 [20060224]; US20080136531 [20080610]

Probable Patent Assignee: NICOX SA

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Designated States: AL; AT; BA; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; NL; PL; PT; RO; SE; SI; SK; TR; YU; AE; AG; AM; AU; AZ; BB; BF; BJ; BR; BW; BY; BZ; CA; CF; CG; CI; CM; CN; CO; CR; CU; DM; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GW; ID; IL; IN; JP; KE; KG; KM; KN; KP; KR; KZ; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MZ; NA; NE; NG; NI; NO; NZ; OM; PG; PH; RU; SC; SD; SG; SL; SM; SN; SY; SZ; TD; TG; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

23. Family 41159741 (US2008027090 AA)

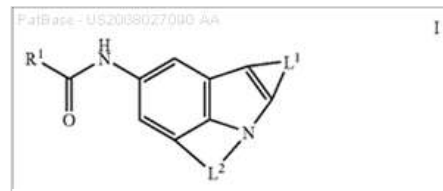
[View in PatBase](#)

Title

[EN] TETRACYCLIC INDOLES AS POTASSIUM CHANNEL MODULATORS

Abstract

[EN] The present invention is directed to compounds of Formula I: that are potassium channel modulators and pharmaceutical compositions thereof. The present invention is further directed to methods of treatment using the compounds and pharmaceutical compositions of the invention. The present invention is still further directed to synthetic processes for producing the compounds of the invention.



International Class: A61K31/403; A61K31/473; A61P1/00; A61P13/00; A61P25/00; A61P29/00; A61P3/10; A61P37/00; A61P9/00; C07D209/56; C07D221/18; A61K31/4748; C07D471/08

Cooperative Patent Class: A61P1/00; A61P13/00; A61P25/00; A61P29/00; A61P3/10; A61P37/00; A61P9/00; C07D471/06

US Class: 514/284; 514/289; 514/410; 514/410S; 546/72; 546/72S; 548/425; 548/425S

Family Information

Patent Number	Publication Date	Application Number	Application Date
US2008027090 AA	20080131	US20070828525	20070726
US7662831 BB	20100216	US20070828525	20070726

Priority Numbers: US20060820512P [20060727]; US20070828525 [20070726]

Probable Patent Assignee: WYETH LLC

Assignees: WYETH CORP; WYETH LLC

Non Std Assignees: WYETH

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24. Family 41159797 (US2008027049 AA)

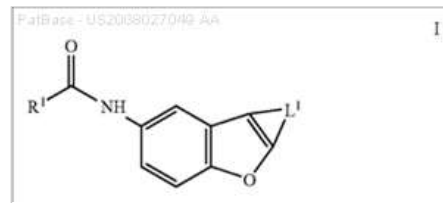
[View in PatBase](#)

Title

[EN] BENZOFURANS AS POTASSIUM ION CHANNEL MODULATORS

Abstract

[EN] The present invention is directed to compounds of Formula I: that are potassium channel modulators and pharmaceutical compositions thereof. The present invention is further directed to methods of treatment using the compounds and pharmaceutical compositions of the invention. The present invention is still further directed to synthetic processes for producing the compounds of the invention.



International Class: A61K31/343; A61K31/443; A61K31/496; A61K31/5377; A61P1/00; A61P25/00; A61P3/00; A61P9/00; C07D307/91; C07D405/12; C07D411/12; C07D491/107; C07D307/90

Cooperative Patent Class: A61P1/00; A61P25/00; A61P3/00; A61P9/00; C07D307/91; C07D307/93; C07D405/12; C07D407/12; C07D409/12; C07D491/113

US Class: 514/232.8; 514/254.11; 514/278; 514/468; 544/153; 544/375; 546/19; 549/461; 514/232.800P; 514/254.110S; 514/278S; 514/468S; 544/153S; 544/375S; 546/19S; 549/461S

Family Information

Patent Number	Publication Date	Application Number	Application Date
US2008027049 AA	20080131	US20070828457	20070726
US7601856 BB	20091013	US20070828457	20070726

Priority Numbers: US20060820524P [20060727]; US20060827817P [20061002]; US20070828457 [20070726]

Probable Patent Assignee: WYETH

Assignees: WYETH CORP

Non Std Assignees: WYETH

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Agent(s): PEPPER HAMILTON LLP WYETH; PEPPER HAMILTON LLP/WYETH; PEPPER HAMILTON LLP

25. Family 34196793 (US2007032533 AA)

[View in PatBase](#)

Title

[EN] NITRIC OXIDE ENHANCING ANGIOTENSIN II ANTAGONIST COMPOUNDS, COMPOSITIONS AND METHODS OF USE

Abstract

[EN] The invention describes compositions and kits comprising at least one nitric oxide enhancing angiotensin II antagonist compound, or pharmaceutically acceptable salts thereof, and novel compositions comprising at least one nitric oxide enhancing angiotensin II antagonist compound, and, optionally, at least one nitric oxide enhancing compound and/or at least one therapeutic agent. The invention also provides methods for (a) treating cardiovascular diseases; (b) treating renovascular diseases; (c) treating diabetes; (d) treating diseases resulting from oxidative stress; (e) treating endothelial dysfunctions; (f) treating diseases caused by endothelial dysfunctions; (g) treating cirrhosis; (h) treating pre-eclampsia; (j) treating osteoporosis; (k) treating nephropathy; (l) treating peripheral vascular diseases; (m) treating portal hypertension (o) treating central nervous system disorders; (p) treating metabolic syndrome; and (q) treating hyperlipidemia. The nitric oxide enhancing angiotensin II antagonist compounds comprise at least one nitric oxide enhancing group linked to the angiotensin II antagonist compound through one or more sites such as carbon, oxygen and/or nitrogen via a bond or moiety that cannot be hydrolyzed.

International Class: A01N43/34; A01N43/42; A61K31/42; A61K31/4245; A61K31/433; A61K31/44

Cooperative Patent Class: C07D257/04; C07D401/12; C07D403/10; C07D403/12; C07D471/04

US Class: 514/362; 514/364; 514/364S; 514/378; 514/378S; 514/381; 514/381S; 548/125; 548/125S; 548/143; 548/143S; 548/253; 548/253S

Family Information

Patent Number	Publication Date	Application Number	Application Date
EP1922069 A2	20080521	EP20060800882	20060807
US2007032533 AA	20070208	US20060499770	20060807
WO07019448 A2	20070215	WO2006US30733	20060807
WO07019448 A3	20090430	WO2006US30733	20060807

Priority Numbers: US20050706005P [20050808]; US20050706419P [20050809]; US20050748579P [20051209]; WO2006US30733 [20060807]; US20060499770 [20060807]

Probable Patent Assignee: NICOX SA

Assignees: NITROMED INC; FANG XINQIN; ZHAI HAI XIAO; WEY SHIOW JYI; GARVEY DAVID S; CAI XIONG; RANATUNGE RAMANI R

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Non Std Inventors: GARVEY DAVID; RANATUNGE RAMANI

Agent(s): WRIGHT ROBERT GORDON MCRAE; ELKINGTON AND FIFE LLP; WILMER CUTLER PICKERING HALE AND DORR LLP

Designated States: AL; AT; BA; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; NL; PL; PT; RO; RS; SE; SI; SK; TR; AE; AG; AM; AU; AZ; BB; BF; BJ; BR; BW; BY; BZ; CA; CF; CG; CI; CM; CN; CO; CR; CU; DM; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GW; HN; ID; IL; IN; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MZ; NA; NE; NG; NI; NO; NZ; OM; PG; PH; RU; SC; SD; SG; SL; SM; SN; SY; SZ; TD; TG; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

26. Family 11827299 (US5932538 A)

[View in PatBase](#)

Title

[EN] NITROSATED AND NITROSYLATED ALPHA -ADRENERGIC RECEPTOR ANTAGONIST COMPOUNDS, COMPOSITIONS AND THEIR USES

Abstract

[EN] Disclosed are nitrosated and nitrosylated alpha -adrenergic receptor antagonists, compositions of an alpha -adrenergic receptor antagonist (alpha -antagonist), which can optionally be substituted with at least one NO or NO2 moiety, and a compound that donates, transfers or releases nitric oxide as a charged species, i.e., nitrosonium (NO+) or nitroxyl (NO-), or as the neutral species, nitric oxide (NO+574); and uses for each of them in treating human male impotence or erectile dysfunction.

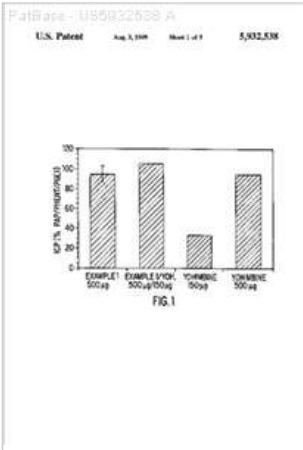
International Class: A61K31/475; A61K45/06; C07C381/00; C07D211/62; C07D233/24; C07D239/95; C07D401/04; C07D405/12; C07D459/00; A61K31/00; A61K31/22; A61K31/222; A61K31/415; A61K31/4164; A61K31/4178; A61K31/495; A61K31/505; A61K31/506; A61K31/517; A61K38/00; A61P15/00; A61P15/10; C07C217/60; C07C311/37; C07D233/20; C07D233/28; C07D295/08; C07D311/22; C07D335/06; C07D487/04; A61K31/131; A61K31/133; A61K31/137; A61K31/138; A61K31/145; A61K31/16; A61K31/198; A61K31/235; A61K31/404; A61K31/4168; A61K31/417; A61K31/4174; A61K31/4375; A61K31/438; A61K31/445; A61K31/451; A61K31/496; A61P13/00; A61P13/08; A61P13/10; A61P25/28; A61P27/02; A61P9/00; A61P9/04; A61P9/12; C07C313/08; C07D407/04; A01N43/42; A61K31/185; A61K31/21; A61K31/403; A61K31/4353; A61K45/00; A61P25/00; A61P27/00; C07C313/00; C07D211/00; C07D233/00; C07D295/00; C07D405/00; C07D407/00; C07D487/00; A61K31/135; A61K31/165; A61K31/18; A61K31/40; A61K31/47; A61K38/06; A61K47/48; C07K5/037; A61K31/195; C07C203/04; C07D241/04; C07D405/14; A61K31/435; A61K31/13; C07D239/00; C07D401/00; A01N43/54; A01N43/58; A01N43/60; A61K31/135; A61K31/195; A61K31/121; A61K31/144; A61K31/1505; A61K31/44; A61K31/551; A61K45/02; C0743/02; C07C211/27; C07C217/16; C07C217/20; C07C237/30; C07D209/88; C07D211/14; C07D211/52; C07D211/78; C07D233/64; C07D235/00; C07D295/096; C07D327/06; C07D401/06; C07D403/00; C07D403/04; C07D403/06; C07D405/04; C07D43/02; C07D487/06; C07D519/02; C07K5/06; C07K5/08

Cooperative Patent Class: A61K31/475; A61K45/06; A61P15/00; A61P15/10; C07C381/00; C07D211/62; C07D233/24; C07D239/95; C07D401/04; C07D405/12; C07D459/00; A61P13/00; A61P13/08; A61P13/10; A61P25/28; A61P27/02; A61P9/00; A61P9/04; A61P9/12; Y10S514/929; Y10S514/968

US Class: 424/130.1; 424/400; 424/43; 424/440; 424/451; 424/769; 424/773; 424/85.1; 424/851.1; 514/1.1; 514/18; 514/2; 514/20.6; 514/21.1; 514/218; 514/23; 514/242; 514/248; 514/252.17; 514/252.170P; 514/252.170S; 514/254; 514/258; 514/259; 514/260; 514/266.2; 514/266.200S; 514/266.21; 514/266.210S; 514/266.4; 514/266.400S; 514/280; 514/283; 514/307; 514/360; 514/385; 514/396; 514/400; 514/42; 514/423; 514/44; 514/44R; 514/471; 514/506; 514/509; 514/523; 514/532; 514/545; 514/546; 514/562; 514/565; 514/617; 514/644; 514/645; 514/649; 514/651; 514/684; 514/754; 514/8; 514/9.8; 514/929; 514/968; 530/300; 536/103; 536/26.1; 540/1; 540/147; 540/155; 540/575; 540/575S; 544/284; 544/284S; 544/293; 544/293S; 546/50; 548/301.7; 548/335.1; 548/500; 560/147; 560/155; 562/560; 564/45; 604/500; 604/500S

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Patent Number	Publication Date	Application Number	Application Date
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Priority Numbers: US19990285048 [19990402]; US19960595732 [19960202]; US19960714313 [19960918]; WO1997US01294 [19970128]; US19980145143 [19980901]; WO1999US20023 [19990901]; WO2000US06437 [20000330]; AU19990057016 [19990901]; EP19970904887 [19970128]; US20010024550 [20011221]; US20020146671 [20020516]; US20040951778 [20040929]; US20000478222 [20000105]; US20050109761 [20050420]; US19990387724 [19990901]; WO1997US27749 [19970128]; US19990306809 [19990507]; US19990306805 [19990507]; US19990280540 [19990330]

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Designated States: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; CY; AE; AL; AM; AU; AZ; BA; BB; BF; BG; BJ; BR; BY; CA; CF; CG; CI; CM; CN; CR; CU; CZ; DM; EE; GA; GD; GE; GH; GM; GN; GW; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LV; MD; MG; MK; ML; MN; MR; MW; MX; NE; NO; NZ; PL; RO; RU; SD; SG; SI; SK; SL; SN; SZ; TD; TG; TJ; TM; TR; TT; UA; UG; US; UZ; VN; YU; ZA; ZW; AG; DZ; MA; TZ

27. Family 41512545 (US2008045534 AA)

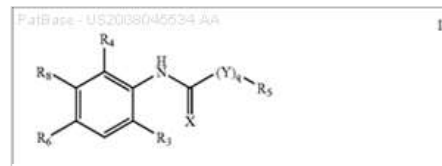
[View in PatBase](#)

Title

[EN] DERIVATIVES OF 1,3-DIAMINO BENZENE AS POTASSIUM CHANNEL MODULATORS

Abstract

[EN] This invention provides compounds of formula I where X-O or S; Y is O or S; q=1 or 0; and other substituents are defined herein. The invention also provides pharmaceutical compositions comprising compounds of formula I. Such compounds are potassium channel modulators.



International Class: A61K31/167; A61K31/472; A61K31/5375; A61P25/00; C07C233/00; C07C233/43; C07D217/00; C07D217/04; C07D295/00; C07D295/14

Cooperative Patent Class: A61P25/00; C07C233/43; C07C2601/08; C07D217/04; C07D295/135

US Class: 514/237.8; 514/237.800P; 514/307; 514/307S; 514/613; 514/613S; 514/630; 514/630S; 544/166; 544/166S; 546/144; 546/144S; 564/189; 564/189S; 564/220; 564/220S

Family Information

Patent Number	Publication Date	Application Number	Application Date
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Priority Numbers: US20060838808P [20060818]; US20060839642P [20060822]; US20070893724 [20070816]

Probable Patent Assignee: VALEANT PHARMACEUTICALS INT

Assignees: VALEANT PHARMACEUTICALS NORTH

Non Std Assignees: VALEANT PHARMACEUTICALS NORTH AMERICA; ATON PHARMA INC; BARCLAYS BANK PLC SUCCESSOR AGENT AS; CORIA LABORATORIES LTD; DOW PHARMACEUTICAL SCIENCES INC; GOLDMAN SACHS LENDING PARTNERS LLC COLLATERAL AGENT AS; VALEANT PHARMACEUTICALS INT; VALEANT PHARMACEUTICALS INT INC; GOLDMAN SACHS LENDING PARTNERS LLC COLLATERAL AGEN

Inventors: OUK SAMEDY; DE LA ROSA MARTHA ALICIA; VERNIER JEAN MICHEL; PAISNER DAVID ABRAHAM

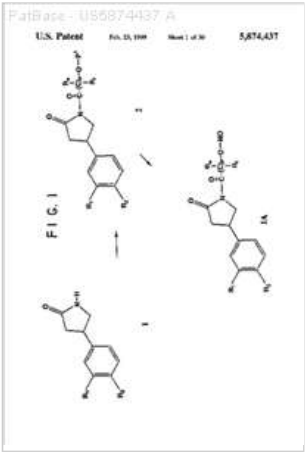
Agent(s): SCULLY SCOTT MURPHY AND PRESSER PC

28. Family 28166519 (US5874437 A)

[View in PatBase](#)

Title
[EN] NITROSATED AND NITROSYLATED PHOSPHODIESTERASE INHIBITOR COMPOUNDS, COMPOSITIONS AND THEIR USES

Abstract
[EN] Disclosed are nitrosated and/or nitrosylated phosphodiesterase inhibitors having the formula NOn-PDE inhibitor wherein n is 1 or 2. The phosphodiesterase inhibitor can be nitrosylated or nitrosated through sites such as oxygen (hydroxyl condensation), sulfur (sulfhydryl condensation), carbon and nitrogen. The invention also provides compositions comprising such compounds in a pharmaceutically acceptable carrier. The invention also provides a composition comprising a therapeutically effective amount of an phosphodiesterase inhibitor (PDE inhibitor), which can optionally be substituted with at least one NO or NO2 moiety, and one to ten fold molar excess of a compound that donates, transfers or releases nitrogen monoxide as a charged species, i.e., nitrosonium (NO+) or nitroxyl (NO-), or as the neutral species, nitric oxide (NO.) or which stimulates endogenous EDRF production The invention also provides compositions comprising such compounds in a pharmaceutically acceptable carrier. The invention also provides a method for treating male impotence in humans by administering the compounds and compositions thereof.



International Class: A61K31/4015; A61K31/4188; A61K31/4375; A61K31/4439; A61K31/444; A61K31/445; A61K31/454; A61K31/4745; A61K31/4985; A61K31/501; A61K31/519; A61K31/52; A61K31/522; A61K45/00; A61P15/10; C07D207/12; C07D213/89; C07D215/227; C07D237/04; C07D277/22; C07D279/04; C07D401/02; C07D401/04; C07D401/06; C07D401/10; C07D403/04; C07D403/10; C07D405/14; C07D471/04; C07D471/14; C07D473/30; C07D487/04; C07D487/14; A61K31/198; A61K31/4709; A61K31/472; A61K31/50; A61K31/517; A61K31/7004; A61K31/7084; A61K38/00; A61P1/00; A61P1/18; A61P11/00; A61P11/06; A61P13/02; A61P13/08; A61P13/12; A61P15/00; A61P25/28; A61P27/16; A61P29/00; A61P37/00; A61P37/08; A61P43/00; A61P9/00; A61P9/10; A61P9/12; C07D239/95; A61K31/165; A61K31/38; A61K31/40; A61K31/415; A61K31/425; A61K31/44; A61K31/47; A61K31/505; C07D207/24; C07D207/46; C07D211/72; C07D211/84; C07D213/72; C07D213/75; C07D213/81; C07D213/83; C07D233/28; C07D233/30; C07D233/32; C07D233/38; C07D279/06; C07D295/00; C07D401/00; C07D417/00; C07D487/00; A61K31/075; A61K31/137; C07D487/02; A61K31/195; A61K31/21; A61K31/34; A61K31/497; A61P15/12; A61P9/02; C07D405/00; A61K31/4164; A61K31/4427; A61K31/4738; C07D207/00; C07D213/00; C07D215/00; C07D237/00; C07D279/00; C07D403/00; C07D471/00; C07D473/00; A01N33/18; A01N33/24; A61K31/4985; A61K31/519; A61K31/52; A61K31/522; A61K31/04; A61K31/495; A61K43/54; C07D241/04; C07D471/14; C07D473/30; C07D487/04; C07D473/28

Cooperative Patent Class: A61P15/10; C07D405/14; C07D487/04; A61P1/00; A61P1/18; A61P11/00; A61P11/06; A61P13/02; A61P13/08; A61P13/12; A61P15/00; A61P25/28; A61P27/16; A61P29/00; A61P37/00; A61P37/08; A61P43/00; A61P9/00; A61P9/10; A61P9/12; A61K31/075; A61K31/195; A61K31/21; A61K31/34; A61K31/40; A61K31/44; A61K31/47; A61K31/4709; A61K31/497; A61K31/50; A61K31/501; A61K31/519; A61K45/06; A61P15/12; A61P9/02

US Class: 206/438; 206/828; 514/12.1; 514/12.7; 514/2; 514/21.9; 514/222.5; 514/227.2; 514/246; 514/247; 514/248; 514/248S; 514/250; 514/250S; 514/252; 514/252.01; 514/252.010S; 514/252.03; 514/252.04; 514/252.05; 514/252.050S; 514/252.06; 514/252.060S; 514/252.16; 514/252.160P; 514/252.160S; 514/253; 514/253.03; 514/253.030P; 514/253.04; 514/253.040S; 514/253.07; 514/253.12; 514/258; 514/258.1; 514/259; 514/259.1; 514/259.100S; 514/261.1; 514/261.100S; 514/262; 514/262.1; 514/262.100S; 514/263; 514/263.3; 514/263.31; 514/263.34; 514/263.340S; 514/263.36; 514/263.360S; 514/265.1; 514/266.1; 514/266.100S; 514/266.22; 514/266.4; 514/267; 514/292; 514/300; 514/303; 514/307; 514/307S; 514/309; 514/312; 514/312S; 514/314; 514/314S; 514/334; 514/338; 514/340; 514/340S; 514/341; 514/341S; 514/352; 514/365; 514/398; 514/404; 514/42; 514/424; 514/424S; 514/425; 514/44; 514/44.00R; 514/44R; 514/45; 514/469; 514/469S; 514/506; 514/506S; 514/509; 514/54; 514/561; 514/561S; 514/564; 514/564S; 514/565; 514/565S; 514/617; 514/619; 514/651; 514/651S; 514/655; 514/676; 514/716; 514/718; 514/718S; 514/728; 514/742; 514/90; 544/237; 544/238; 544/239; 544/250; 544/251; 544/252; 544/254; 544/256; 544/262; 544/262P; 544/262S; 544/265; 544/272; 544/280; 544/291; 544/293; 544/343; 544/360; 544/363; 544/54; 544/55; 544/8; 546/111; 546/118; 546/121; 546/141; 546/149; 546/155; 546/157; 546/167; 546/257; 546/274.4; 546/276.7; 546/305; 546/309; 546/81; 546/88; 548/203; 548/316.4; 548/323.5; 548/367.7; 548/53; 548/530; 548/530S; 548/531; 548/543; 548/550; 548/551; 56/137; 564/163; 564/182; 564/384; 568/306; 568/584; 568/588; 568/716; 568/744

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Priority Numbers: US19960740764 [19961101]; WO1997US19870 [19971031]; US19980145142 [19980901]; WO1999US20024 [19990901]; US20010941691 [20010830]; US19990387727 [19990901]; US20020216886 [20020813]; US20020216866 [20020813]; US20030694183 [20031028]; US20070819514 [20070627]; US19990241281 [19990201]; US19990247296 [19990210]; US19990247322 [19990210]; US19990247321 [19990210]; US19990247320 [19990210]; US19990247295 [19990210]; US19990347426 [19990706]; US19990247292 [19990210]; US19990247293 [19990210]; US19990247323 [19990210]; US19990354424 [19990716]; US19990465965 [19991216]

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Designated States: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; CY; AE; AL; AM; AU; AZ; BA; BB; BF; BG; BJ; BR; BY; CA; CF; CG; CI; CM; CN; CR; CU; CZ; DM; EE; GA; GD; GE; GH; GM; GN; GW; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LV; MD; MG; MK; ML; MN; MR; MW; MX; NE; NO; NZ; PL; RO; RU; SD; SG; SI; SK; SL; SN; SZ; TD; TG; TJ; TM; TR; TT; UA; UG; US; UZ; VN; YU; ZA; ZW

29. Family 31978706 (US2005124611 AA)

[View in PatBase](#)

Title
[EN] COMPOUNDS FOR THE TREATMENT OF MALE ERECTILE DYSFUNCTION

Abstract
[EN] This invention describes compounds of Formula (I) which are modulators of potassium channels and are useful for treating conditions affected by abnormal potassium channel activity including erectile dysfunction and irritable bowel syndrome.

International Class: A61K31/4709; A61K31/496; A61K31/5375; A61K31/5377; A61K31/541; C07D215/00; C07D215/36; C07D401/00; C07D401/12; C07D413/00; C07D413/02; C07D417/00; C07D417/02; A61K31/47; C07D215/16; C07D43/02

Cooperative Patent Class: C04B35/632; C07D215/36; C07D401/12

US Class: 514/227.8; 514/227.800P; 514/232.8; 514/232.800S; 514/253.07; 514/253.070S; 514/312; 514/312S; 544/126; 544/126S; 544/363; 544/363S; 544/60; 544/60S; 546/153; 546/153S; 546/155

Family Information

Patent Number	Publication Date	Application Number	Application Date
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US7132542 BB	20061107	US20040964080	20041013

Priority Numbers: US20030511031P [20031014]; US20040964080 [20041013]

Probable Patent Assignee: BRISTOL MYERS SQUIBB CO

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Inventors: BOY KENNETH M

Non Std Inventors: BOY KENNETH

Agent(s): STEPHEN B DAVIS BRISTOL MYERS SQUIBB CO; JAMES; SHAH R

30. Family 20716745 (US6133304 A)

[View in PatBase](#)

Title

[EN] ACE INHIBITOR-MMP INHIBITOR COMBINATIONS

Abstract

[EN] PCT No. PCT/US98/23993 Sec. 371 Date Feb. 7, 2000 Sec. 102(e) Date Feb. 7, 2000 PCT Filed Nov. 10, 1998 PCT Pub. No. WO99/32150 PCT Pub. Date Jul. 1, 1999The present invention relates to compositions comprising a compound which inhibits the actions of angiotensin-converting enzyme and a compound which inhibits the actions of matrix metalloproteinase enzymes and the use of such compositions for treating ventricular dilation, heart failure and cardiovascular fibrotic pathologies.

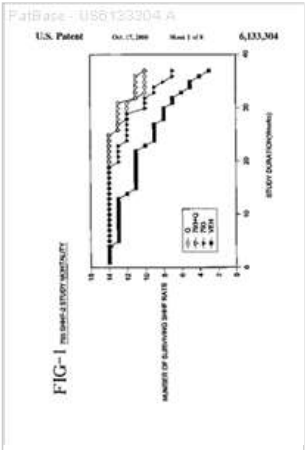
International Class: A61K31/198; A61K31/223; A61K31/343; A61K31/401; A61K31/403; A61K31/41; A61K31/426; A61K31/47; A61K31/55; A61K31/675; A61K38/00; A61K38/55; A61K45/06; A61P43/00; A61P9/00; A61P9/04; A61K31/18; A61K31/195; A61K31/445; A61K31/495; A61K38/06; A61P1/00; A61P13/00; A61K31/40; A61K31/19; A61K31/34; A61K45/00; A61P9/10

Cooperative Patent Class: A61K31/47; A61K31/675; A61K38/55; A61K38/556; A61K45/06; A61P1/00; A61P13/00; A61P43/00; A61P9/00; A61P9/04; A61P9/10

US Class: 514/414; 514/562

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Patent Number	Publication Date	Application Number	Application Date
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Priority Numbers: US19970068594P [19971223]; WO1998US23993 [19981110]; EP19980959416 [19981110]; US20000485253 [20000207]

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Designated States: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; AM; AZ; BF; BJ; BY; CF; CG; CI; CM; GA; GH; KE; KG; KZ; MD; MR; NE; RU; SD; SN; SZ; TG; TJ; UG; ZW; AL; AU; BA; BB; BG; BR; CA; CN; CU; CZ; EE; GE; GM; GN; GW; HR; HU; ID; IL; IS; JP; KP; KR; LC; LK; LR; LS; LT; LV; MG; MK; ML; MN; MW; MX; NO; NZ; PL; RO; SG; SI; SK; SL; TD; TM; TR; TT; UA; US; UZ; VN; YU

31. Family 20451336 (US5464867 A)

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Title

[EN] DIAMINOCYCLOBUTENE-3,4-DIONES

Abstract

[EN] The compound of the formula (I) or a pharmaceutically acceptable salt thereof, are smooth muscle relaxants.

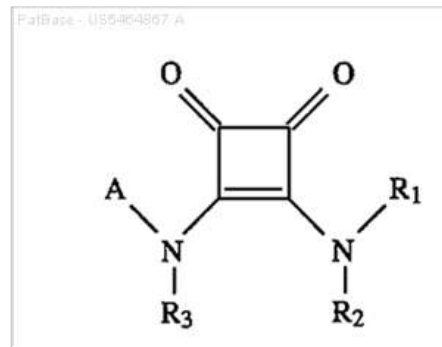
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Cooperative Patent Class: A61P1/00; A61P13/00; A61P13/02; A61P15/00; A61P21/00; A61P9/00; C07C233/41; C07C255/60; C07C2601/04; C07C2601/14; C07C2602/42; C07C271/28; C07C311/08; C07D213/75; C07D217/02; A61K31/275; A61K31/44; C07C225/02

US Class: 514/307; 514/310; 514/311; 514/313; 514/314; 514/344; 514/352; 514/394; 514/400; 514/406; 514/522; 514/524; 514/602; 514/604; 514/605; 514/617; 514/625; 514/627; 514/629; 546/143; 546/146; 546/160; 546/175; 546/289; 546/309; 548/306.1; 548/310.1; 548/338.1; 548/340.1; 548/362.5; 558/413; 558/414; 558/415; 564/180; 564/184; 564/207; 564/218; 564/84; 564/90; 564/92; 564/99

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Priority Numbers: US19940340697 [19941116]; US19950459598 [19950602]; US19950460170 [19950602]; WO1995US13125 [19951003]; US19950455123 [19950531]; US19950455863 [19950531]

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Designated States: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; KE; MC; MR; NE; SD; SN; SZ; TG; UG; AM; AU; BB; BG; BR; BY; CA; CN; CZ; EE; FI; GE; GN; HU; IS; JP; KG; KP; KR; KZ; LK; LR; LT; LV; MD; MG; MK; ML; MN; MW; MX; NO; NZ; PL; RO; RU; SG; SI; SK; TD; TJ; TM; TT; UA; UZ; VN



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1. Family 77053132 (US2020002331 AA)

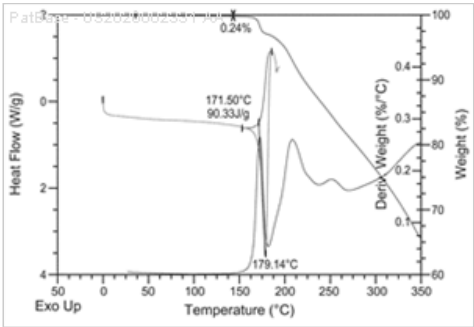
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Title

[EN] SOLID FORMS OF 3-((1R,3R)-1-(2,6-DIFLUORO-4-((1-(3-FLUOROPROPYL)AZETIDIN-3-YL)AMINO)PHENYL)-3-METHYL-1,3,4,9-TETRAHYDRO-2H-PYRIDO[3,4-B]INDOL-2-YL)-2,2-DIFLUOROPROPAN-1-OL AND PROCESSES FOR PREPARING FUSED TRICYCLIC COMPOUNDS COMPRISING A SUBSTITUTED PHENYL OR PYRIDINYL MOIETY, INCLUDING METHODS OF THEIR USE

Abstract

[EN] Provided herein are solid forms, salts, and formulations of 3-((1R,3R)-1-(2,6-difluoro-4-((1-(3-fluoropropyl)azetidin-3-yl)amino)phenyl)-3-methyl-1,3,4,9-tetrahydro-2H-pyrido[3,4-b]indol-2-yl)-2,2-difluoropropan-1-ol, processes and synthesis thereof, and methods of their use in the treatment of cancer.



International Class: A61K31/437; A61P35/00; C07D471/04; A61K31/194; C07C59/255; C07D205/04; C07D209/16; C07D401/12; A61K45/06; C07D209/14; C07D403/14; C12N15/54; C12P13/00; A61K31/506; A61K31/519; A61K45/00; A61P11/00; A61P13/08; A61P15/00; A61P43/00; A61P35/04; C07C213/10; C07C215/08; C07C253/32; C07C255/26; A61K31/00; C07D471/00

Cooperative Patent Class: A61K31/437; A61P35/00; C07B2200/13; C07D205/04; C07D209/14; C07D401/12; C07D403/14; C07D471/04; A61P35/04; C07B2200/07; C07D209/16; C07C213/10; C07C215/08; C07C253/32; C07C255/26; C07C2601/02

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Priority Numbers: US20180687930P [20180621]; US20180719896P [20180820]; WO2019US37492 [20190617]; AU20220202967 [20220503]; AU20190290545 [20190617]; AU20230229513 [20230913]; BR20201124073 [20190617];

CN201980041221 [20190617]; EP20190745335 [20190617]; HK20216031023 [20210513]; JP20200570698T [20190617]; JP20200570698 [20190617]; JP20210117633 [20210716]; JP20210117638 [20210716]; JP20210117638 [20190617]; JP20240002374 [20240111]; KR20217001924 [20190617]; KR20237026161 [20190617]; MX20200011531 [20201029]; RU20210100891 [20190617]; US20190443515 [20190617]; US20200110607 [20201203]; US20230455783 [20230825]

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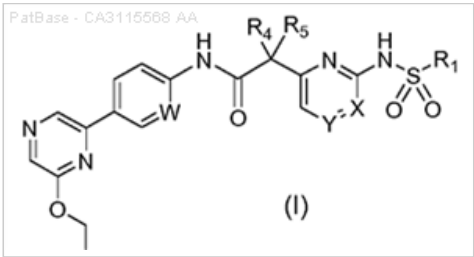
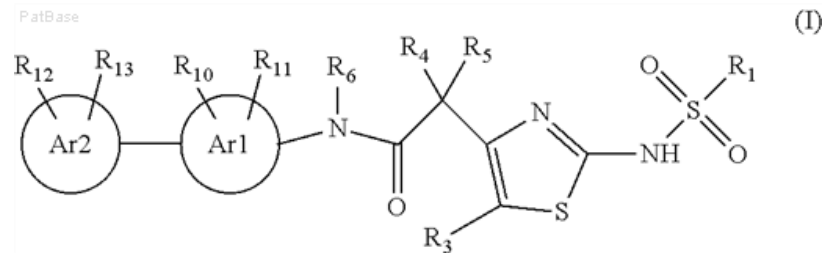
Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; MA; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

2. Family 74595731 (US2021002269 AA)

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Title
[EN] COMPOUNDS

Abstract
[EN] Compounds of formula (I): (I) and related aspects.



International Class: A61K31/505; A61K31/506; A61P17/06; A61P35/00; A61P35/02; C07C63/33; C07D239/42; C07D401/14; C07D403/12; C07D405/14; C07D213/76; C07D401/12; A61K31/425; A61P37/00; C07C211/45; C07D213/22; C07D213/38; C07D241/12; C07D277/52; C07D401/04; C07D417/12; C07D417/14; A61K31/426; A61K31/4439; A61K31/444; C07C63/04; A61P21/00; A61P29/00; C07D241/20; C07D241/26; C07D403/04; C07D241200000; C07D241260000; C07D401120000; C07D401140000; C07D403040000; A01N43/54; C07D239/48; A61K31/497; A61P13/12; A61P17/00; A61P21/04; A61P25/00; A61P37/02; A61P37/06; A61P43/00; A61P7/00; C07D213/85; A61P9/00; A61P9/10; C07D403/14; A61K31/00; C07D213/00; C07D239/00; C07D401/00; C07D403/00; C07D405/00; A61K31/4427; C07D213/72; C07D239/69; C07D241/22; A61K; A61P; C07D

Cooperative Patent Class: A61P35/00; C07D401/12; C07D401/14; C07D403/12; A61K31/506; A61P21/00; A61P29/00; C07D213/76; C07D239/42; C07D405/14; A61P37/00; C07C211/45; C07D213/22; C07D213/38; C07D241/12; C07D277/52; C07D401/04; C07D417/12; C07D417/14; A61K31/426; A61K45/06; C07C63/04

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Priority Numbers: EP20180163772 [20180323]; EP20180175823 [20180604]; EP20180202136 [20181023]; WO2018EP86617 [20181221]; WO2019EP57320 [20190322]; WO2019EP78848 [20191023]; EP20190789997 [20191023]; EP20190713022 [20190322]; EP20170204796 [20171130]; EP20180163766 [20180323]; WO2018EP83169 [20181130]; WO2018EP83140 [20181130]; JP20210500333T [20181221]; JP20210500333 [20181221]; JP20230180542 [20231019]; WO2018EP83169 [20181111]; US20200767379 [20200527]; US20220962938 [20221010]; US20200982641 [20200921]; US20220980186 [20221103]; US20200767338 [20200527]; US20230302259 [20230418]

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Assignees: STEP PHARMA SAS; STEP PHARMA S A S; STEP PHARMA S A S FR

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

3. Family 71977887 (US2020024231 AA)

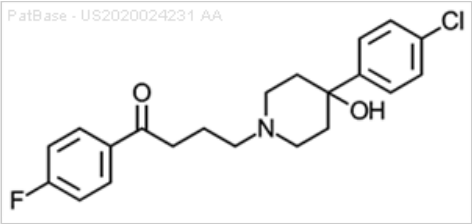
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Title

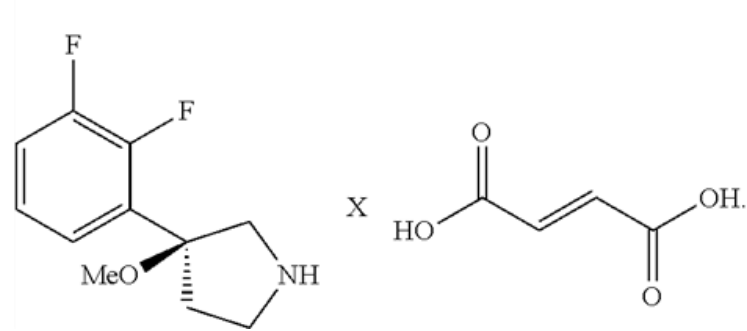
[EN] (+)-3-(2,3-DIFLUOROPHENYL)-3-METHOXPYRROLIDINE OR PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF, A PROCESS FOR PREPARATION THEREOF AND USES THEREOF

Abstract

[EN] The disclosure provides a process for manufacturing thereof a salt of Formula IIb:



PatBase Formula IIb



International Class: A61K31/40; A61P25/00; C07C57/15; C07D207/12; A61P1/14; A61P15/00; A61P21/02; A61P25/04; A61P25/06; A61P25/14; A61P25/16; A61P25/18; A61P25/20; A61P25/22; A61P25/24; A61P25/28; A61P25/30; A61P3/04

Cooperative Patent Class: A61P25/00; C07B2200/11; C07B2200/13; C07C57/15; C07D207/12

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Priority Numbers: EP20170171938 [20170519]; EP20170195451 [20171009]; EP20170207406 [20171214]; EP20180151428 [20180112]; WO2018EP63123 [20180518]; EP20180730980 [20180518]; US20190338055 [20190329]; US20210358494 [20210625]

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT;
NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF;
CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP;
KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI;
NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US;
UZ; VC; VN; ZA; ZM; ZW

4. Family 76693004 (US2022348565 AA)

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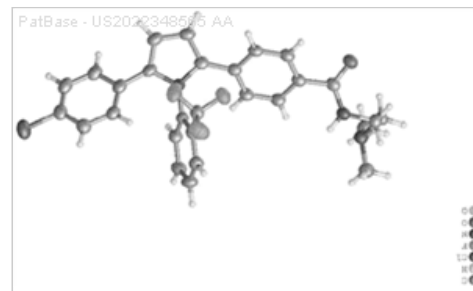
Title

[EN] PHARMACEUTICAL COMPOUNDS

Abstract

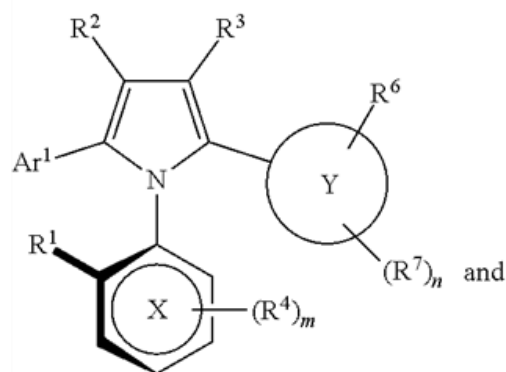
[EN] The invention provides a composition of matter which:

(i) consists of at least 90 percent by weight of an atropisomer (2A) and 0-10 percent by weight of an atropisomer of formula (2B); or
 (ii) consists of at least 90 percent by weight of an atropisomer (2B) and 0-10 percent by weight of an atropisomer of formula (2A);
 wherein the atropisomer of formula (2A) and the atropisomer of formula (2B) are represented by:

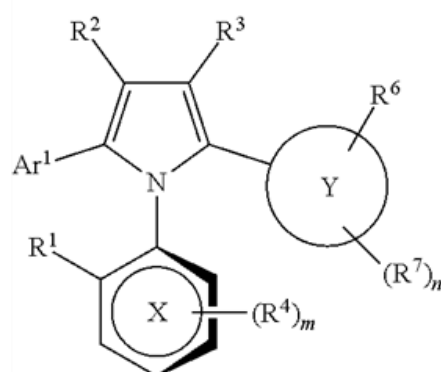


PatBase

(2A)



(2B)



or are pharmaceutically acceptable salts or tautomers thereof, wherein ring X is a benzene or pyridine ring; ring Y is selected from a benzene ring, a pyridine ring and a thiophene ring; R^1 is trifluoromethyl; R^2 is hydrogen; R^3 is hydrogen; m is 0 or 1; n is 0, 1 or 2; Ar^1 is a monocyclic aromatic ring selected from benzene and pyridine; each monocyclic aromatic ring being unsubstituted or substituted with 1 or 2 substituents R^5 as defined herein; and R^4 , R^5 when present, R^6 and R^7 independently selected from various substituents as defined herein.

Also provided are individual atropisomers, pharmaceutical compositions and the uses of the atropisomers and compositions are inhibitors of PLK1- and PLK4 kinases, for example in the treatment of cancers.

International Class: A61K31/402; A61K31/415; A61K31/42; A61K31/4439; A61K31/496; A61K31/5377; A61P35/00; C07D207/33; C07D231/12; C07D261/08; C07D401/04; C07D405/14; C07D409/04; A61K31/4025; A61K31/454; C07D207/337; C07D401/12; C07D403/12; C07D413/12; C07D417/12; C07D471/04; A61K31/444; A61K31/4545; C07D207/333; C07D207/335; C07D401/14; C07D403/02; C07D413/02

Cooperative Patent Class: A61K31/402; A61K31/4025; A61K31/415; A61K31/42; A61K31/4439; A61K31/454; A61K31/496; A61K31/5377; A61P35/00; C07D207/33; C07D207/337; C07D231/12; C07D261/08; C07D401/04; C07D401/12; C07D403/02; C07D403/12; C07D405/14; C07D409/04; C07D413/02

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Priority Numbers: GB20190013921 [20190926]; WO2020EP76933 [20200925]; CL20220000726 [20220323]

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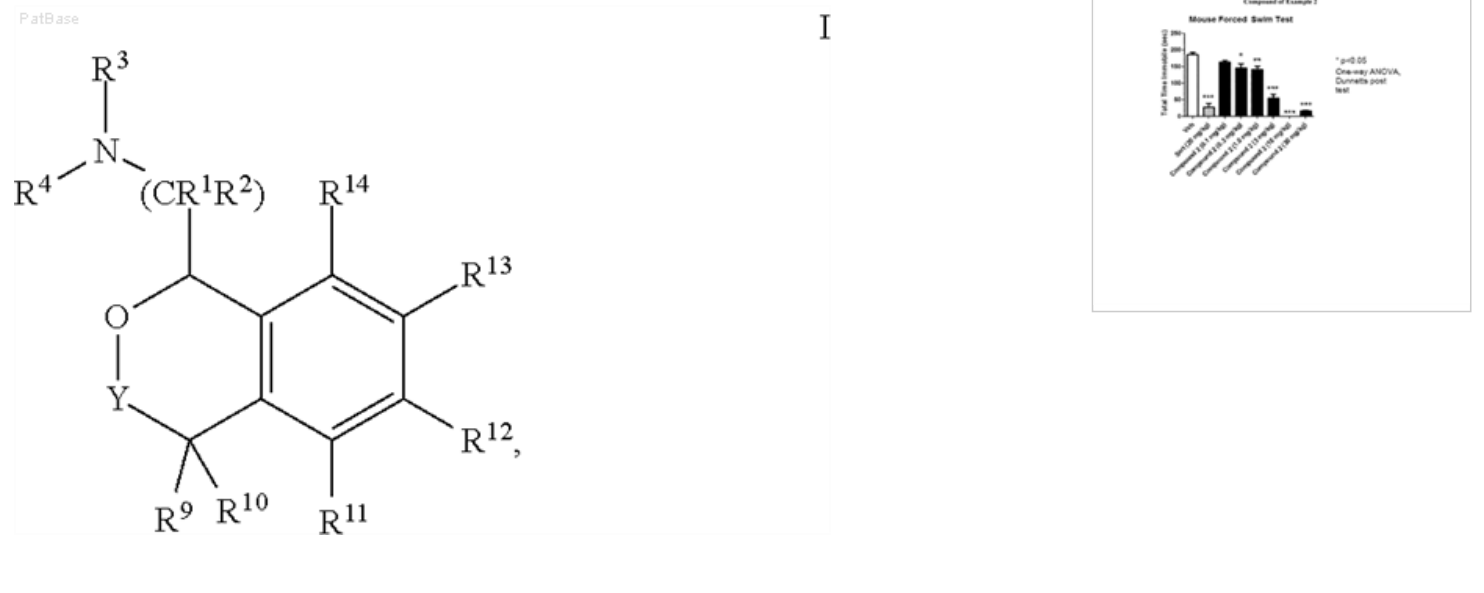
Designated States: AL; AT; BA; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; ME; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; WS; ZA; ZM; ZW

5. Family 68415251 (US2018030064 AA)

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Title
[EN] COMPOUNDS AND COMPOSITIONS AND USES THEREOF

Abstract
[EN] Disclosed are compounds of formula (I):



and pharmaceutical compositions containing such compounds. Methods of treating neurological or psychiatric disease and disorders in a subject in need are also disclosed.

International Class: C07D311/76; C07D491/056; C07D493/04; A61K31/335; A61K31/343; A61K31/352; A61K31/353; A61K31/357; A61K31/36; A61K45/06; A61P15/00; A61P15/10; A61P19/02; A61P21/00; A61P25/00; A61P25/02; A61P25/04; A61P25/06; A61P25/08; A61P25/14; A61P25/16; A61P25/18; A61P25/20; A61P25/22; A61P25/24; A61P25/26; A61P25/28; A61P25/30; A61P25/32; A61P25/34; A61P25/36; A61P29/00; A61P3/04; C07D307/87; C07D313/08; A61K31/351; C07D
Cooperative Patent Class: A61K31/351; A61K31/353; A61P15/00; A61P15/10; A61P19/02; A61P21/00; A61P25/00; A61P25/02; A61P25/04; A61P25/06; A61P25/08; A61P25/14; A61P25/16; A61P25/18; A61P25/20; A61P25/22; A61P25/24; A61P25/26; A61P25/28; A61P25/30; A61P25/32; A61P25/34; A61P25/36; A61P29/00; A61P3/04; C07D307/87; C07D311/76; C07D313/08; C07D493/04; A61K31/343; A61K31/352

US Class: 1/1; 514/450

Family Information

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Priority Numbers: US20160368526P [20160729]; WO2017US44517 [20170728]; AU20170301769 [20170728]; AU20220246388 [20221005]; CN201780059514 [20170728]; IN201947003538 [20190129]; JP20190504697T [20170728]; JP20220128312 [20220810]; JP20190504697 [20170728]; MX20190000980 [20190123]; US20170663688 [20170728]; US20180214985 [20181210]; US20210145548 [20210111]

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Designated States: AL; AT; BA; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; ME; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; MA; MD; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ;

OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ;
VC; VN; ZA; ZM; ZW

6. Family 70079588 (US2021163497 AA)

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Title
[EN] BCL6 INHIBITORS

Abstract
[EN] The present invention relates to compounds of formula I that function as inhibitors of BCL6 (B-cell lymphoma 6) activity:



wherein X_1 , X_2 , R^1 , R^2 , R^{30} , R^{31} and Ring A are each as defined herein. The present invention also relates to processes for the preparation of these compounds, to pharmaceutical compositions comprising them, and to their use in the treatment of proliferative disorders, such as cancer, as well as other diseases or conditions in which BCL6 activity is implicated.

International Class: A61K31/5383; A61K31/5513; A61K31/553; A61K31/554; A61P35/00; C07D471/04; C07D498/04; C07D498/08; C07D498/20; C07D513/04; C07D498/14; C07D519/00; C07D403/14; C07D413/14; C07D417/14; C07D487/04; A61K31/444; A61K31/542; A61K31/551; A61P35/02; C07D498/10

Cooperative Patent Class: A61K31/5383; A61K31/542; A61K31/553; A61K31/554; A61P35/00; C07D471/04; C07D498/04; C07D498/08; C07D498/14; C07D498/20; C07D513/04; C07D519/00; A61K31/5513

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Priority Numbers: GB20180006132 [20180413]; GB20180019136 [20181123]; WO2019GB51058 [20190412]; AU20230263501 [20231109]; AU20190253510 [20190412]; EP20190718834 [20190412]; JP20200555420T [20190412]; JP20200555420 [20190412]; MX20200010805 [20201012]; US20200046650 [20201009]; US20220968159 [20221018]

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

7. Family 66078583 (US2021101889 AA)

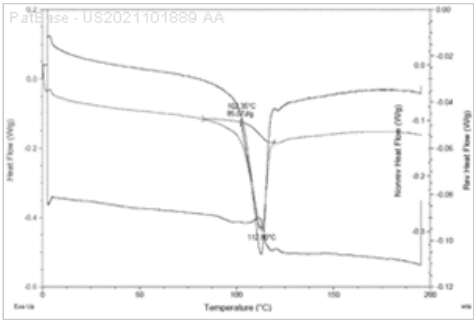
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Title
[EN] 6-PYRIMIDIN-ISOINDOLE DERIVATIVE AS ERK1/2 INHIBITOR

Abstract
[EN] This invention relates to the compound (2R)-2-(6-{5-chloro-2-[(oxan-4-yl)amino]pyrimidin-4-yl}-1-oxo-2,3-dihydro-1H-isoindol-2-yl)-N-[(1S)-1-(3-fluoro-5-methoxyphenyl)-2-hydroxyethyl]propanamide, and in particular to novel physical forms of the compound, a process for preparing the compound and synthetic intermediates for use in the process, and novel formulations containing the compound, as well as therapeutic uses of the compound.

International Class: A61K31/506; A61P35/00; C07D405/14; C07D; A61K47/10; A61K9/00; A61K9/19; A61K9/20; A61K9/48; A61P9/14; A61K47/14; A61K47/34; A61K9/08; A61P43/00; A61K; A61P

Cooperative Patent Class: A61K31/506; A61K47/10; A61K9/0019; A61K9/0053; A61K9/19; A61K9/2013; A61K9/2018; A61K9/4858; A61P35/00; A61P9/14; C07B2200/13; C07D405/14



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Priority Numbers: GB20170006327 [20170420]; WO2018IB52745 [20180420]; ID2019P0010283 [20180420]; RU20190135029 [20180420]; US20210464166 [20210901]; US20190604002 [20191009]

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Designated States: AL; AT; BA; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; ME; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; KH; MA; MD; TN; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

8. Family 70246871 (US2023043209 AA)

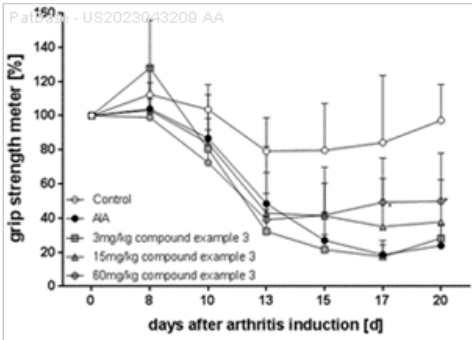
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Title
[EN] CARBOXYLIC ACID AROMATIC AMIDES

Abstract
[EN] The present invention relates to carboxylic acid aromatic amides compounds of general formula (I) as described and defined herein, to pharmaceutical compositions and combinations comprising said compounds and to the use of said compounds for manufacturing a pharmaceutical composition for the treatment or prophylaxis of a disease as a sole agent or in combination with other active ingredients.

International Class: A61K31/415; A61P29/00; C07D213/56; C07D231/12; C07D231/56; C07D233/64; C07D241/12; C07D277/56; C07D333/28; C07D333/38; C07D333/58; C07D495/04; A61K31/16; A61K31/19; A61K31/381; A61K31/4155; A61K31/416; A61K31/4164; A61K31/426; A61K31/437; A61K31/4418; A61K31/4965; A61P1/16; A61P11/00; A61P13/10; A61P13/12; A61P15/00; A61P19/02; A61P19/06; A61P25/04; A61P3/00; A61P3/10; A61P9/00; C07D213/26; C07D213/55; C07D333/60; A61K31/4365; A61K31/4439; C07D213/647; C07D231/16; C07D233/61; C07D277/28; C07D401/12; C07D405/04; C07D; A61P1/04; A61P1/18; A61P11/02; A61P11/06; A61P11/08; A61P13/00; A61P13/08; A61P17/00; A61P17/02; A61P17/04; A61P17/06; A61P19/08; A61P19/10; A61P21/00; A61P25/00; A61P25/02; A61P25/06; A61P25/16; A61P25/28; A61P25/34; A61P27/02; A61P3/04; A61P31/04; A61P31/06; A61P31/18; A61P35/00; A61P39/02; A61P43/00; A61P5/00; A61P9/04; A61P9/10; C07D213/64; C07D277/30; C07D333/24; A61K31/44; A61K31/00; C07D213/00; C07D231/00; C07D233/00; C07D241/00; C07D277/00; C07D333/00; C07D495/00; A61K31/444; C07D213/24; C07D233/56; C07D277/22; C07D333/06; C07D333/72

Cooperative Patent Class: A61K31/381; A61K31/415; A61K31/4155; A61K31/4164; A61K31/426; A61K31/4365; A61K31/44; A61K31/4418; A61K31/4439; A61K31/4965; A61P1/00; A61P1/04; A61P1/06; A61P1/16; A61P1/18; A61P11/00; A61P11/02; A61P11/06; A61P11/08; A61P13/00; A61P13/08; A61P13/10; A61P13/12; A61P15/00; A61P17/00; A61P17/02; A61P17/04; A61P17/06; A61P19/02; A61P19/06; A61P19/08; A61P19/10; A61P21/00; A61P25/00; A61P25/02; A61P25/04; A61P25/06; A61P25/08; A61P25/16; A61P25/28; A61P25/34; A61P27/02; A61P29/00; A61P3/00; A61P3/04; A61P3/10; A61P31/04; A61P31/06; A61P31/18; A61P35/00; A61P39/02; A61P43/00; A61P5/00; A61P5/48; A61P7/10; A61P9/04; A61P9/10; C07D213/56; C07D231/12; C07D231/56; C07D233/64; C07D241/12; C07D277/56; C07D333/28; C07D333/38; C07D333/58; C07D405/04; C07D495/04; A61K31/416



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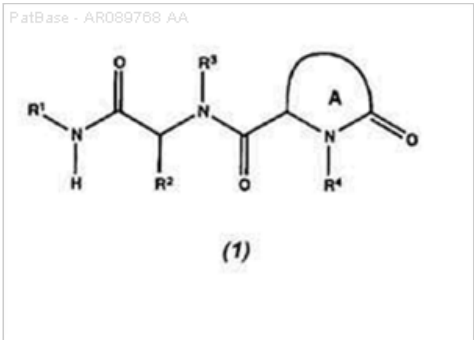
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Title

[EN] THERAPEUTICALLY ACTIVE COMPOSITIONS AND THEIR METHODS OF USE

Abstract

[EN] Provided are methods of treating a cancer characterized by the presence of a mutant allele of IDH1/2 comprising administering to a subject in need thereof a compound described here.



FDA Data

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211192	IVOSIDENIB	TIBSOVO	AGIOS PHARMS INC	20180720
211192	IVOSIDENIB	TIBSOVO	SERVIER	20180720

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; ZM; ZW; VN; ZA

10. Family 54294926 (US2015018335 AA)

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Title
[EN] CARBAMATE COMPOUNDS AND OF MAKING AND USING SAME

Abstract
[EN] This disclosure provides compounds and compositions which may be modulators of MAGL and/or ABHD6 and their use as medicinal agents, processes for their preparation, and pharmaceutical compositions that include disclosed compounds as at least one active agent. The disclosure also provides for method of treating a patient in need thereof, where the patient is suffering from indications such as pain, solid tumor cancer and/or obesity comprising administering a disclosed compound or composition.

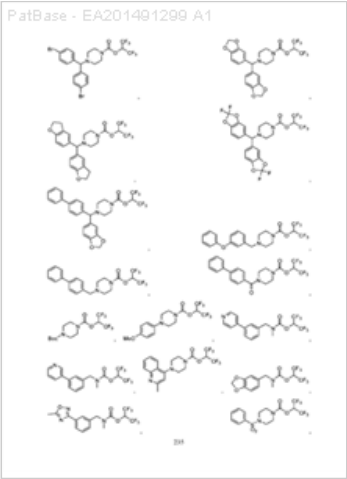
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Cooperative Patent Class: A61P25/00; A61P25/04; A61P25/22; A61P25/28; A61P29/00; A61P3/04; A61P35/00; C07C271/10; C07C271/12; C07D205/04; C07D207/09; C07D207/14; C07D213/38; C07D213/40; C07D213/55; C07D215/42; C07D215/46; C07D231/12; C07D231/16; C07D231/56; C07D241/04; C07D261/08; C07D263/32; C07D271/06; C07D295/205; C07D295/26; C07D307/79; C07D317/46; C07D317/58; C07D401/04; C07D401/10; C07D403/10; C07D405/14; C07D407/06; C07D413/06; C07D413/10; C07D471/04; C07D471/10; C07D487/04; C07D491/107; C07C271/00

US Class: 1/1; 514/210.18; 514/210.2; 514/235.8; 514/249; 514/253.04; 514/253.06; 514/253.11; 514/254.01; 514/254.02; 514/254.05; 514/254.06; 514/254.11; 514/255.01; 514/321; 514/357; 514/364; 514/466; 544/121; 544/230; 544/349; 544/362; 544/363; 544/364; 544/369; 544/371; 544/372; 544/377; 544/383; 544/389; 546/197; 546/335; 548/131; 549/441

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Priority Numbers: US20120631558P [20120106]; WO2013US20551 [20130107]; WO2013US03973 [20130711]; CN201380013322 [20130107]; EP20130733636 [20130107]; EP20200164236 [20130107]; JP20140551392T [20130107]; JP20170035551 [20130107]; JP20170227270 [20171127]; JP20170227270 [20130107]; JP20190065079 [20190328]; US20180925517 [20180319]; US20190717813 [20191217]; US20160272313 [20160921]; US20140369982 [20140630]; US20210195351 [20210308]; US20220053582 [20221108]; US20130369982 [20130107]; US20150599105 [20150116]

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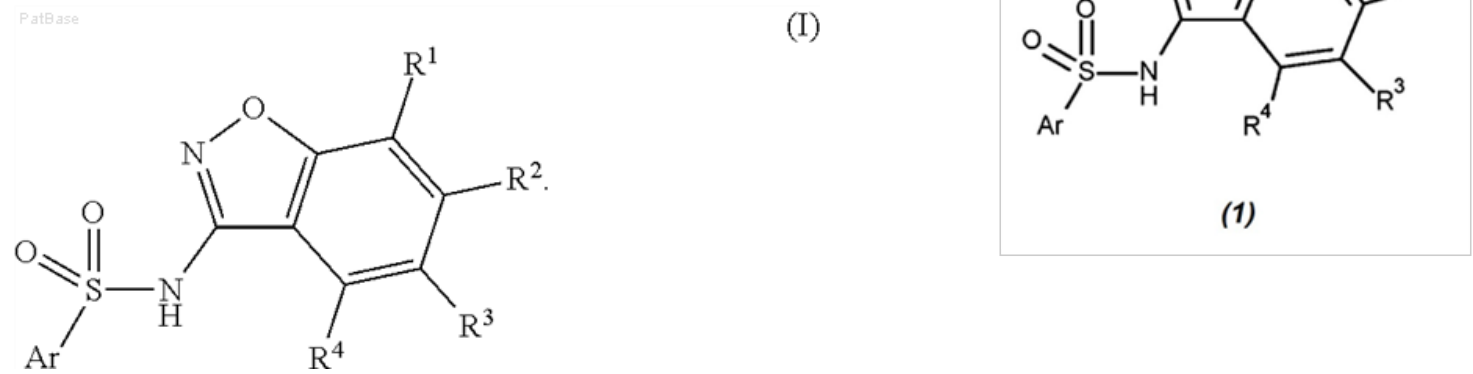
Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; ZM; ZW; VN; ZA

11. Family 70786172 (US2020039945 AA)

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Title
[EN] COMPOUNDS

Abstract
[EN] A compound of formula (I), or a pharmaceutical salt thereof:



International Class: A61K31/423; A61P35/00; C07D261/20; C07D413/04; C07D413/12; C07D417/12; A61K31/4155; A61K31/4245; A61K31/428; A61K31/4439; A61K31/4709; A61K31/498; A61K31/506; C07D413/10; B01D11/02; C07C41/00; C07C43/02; C07C49/807; G01N30/08; A61K31/427; A61K31/433; A61P43/00; A61K31/00; C07D261/00; C07D413/00; C07D417/00; A61K31/357; A61K31/4192; A61K31/42

Cooperative Patent Class: A61K31/423; A61K31/4245; A61K31/428; A61P35/00; C07D261/20; C07D413/04; C07D413/10; C07D413/12; C07D417/12

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Priority Numbers: GB20180010092 [20180620]; WO2019EP66337 [20190620]; CL20200003219 [20201211]; EP20190734722 [20190620]; RU20200142249 [20190620]; US20190446868 [20190620]; US20210392356 [20210803]

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; MA; MD; TN; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

12. Family 57413871 (US2016024031 AA)

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Title

[EN] HETEROCYCLIC COMPOUNDS USEFUL IN THE TREATMENT OF DISEASE

Abstract

[EN] Heterocyclic compounds are described that are lysophosphatidic acid receptor ligands that are useful in the treatment of lysophosphatidic acid receptor-dependent diseases and conditions, including but not limited to diseases involving fibrosis, such as fibrosis of the heart, kidney, liver and lung, and scleroderma; inflammatory diseases such as diabetic nephropathy and inflammatory bowel disease; ocular diseases such as diseases involving retinal degeneration; nerve diseases such as pruritus and pain. Non-limiting examples of those compounds include (RS)-3-Cyclopropyl-2-{4-[3-methyl-4((R)-1-phenyl-ethoxycarbonylamino)-isoxazol-5-yl]-benzyloxy}-propionic acid and (R)-1-(4'-{5-[1-(2-Chloro-phenyl)-ethoxycarbonylamino]-4-fluoro-pyrazol-1-yl}-2-fluoro-biphenyl-4-yl)-cyclopropanecarboxylic acid.

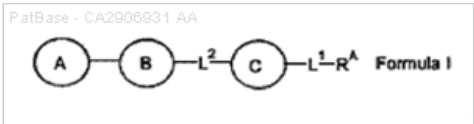
International Class: A61K31/4152; A61K31/42; C07D231/10; C07D261/10; C07D231/38; C07D231/52; C07D233/88; C07D239/42; C07D261/14; C07D263/48; C07D401/04; C07D413/04; A61K31/415; C07D231/40; C07D401/14; C07D413/14; A61P1/16; A61P3/00; C07D261/06; A61K31/4439; A61P13/12; A61K31/4155; A61K; C07D; A61P1/04; A61P1/18; A61P11/00; A61P13/02; A61P17/00; A61P25/00; A61P25/02; A61P25/04; A61P27/02; A61P27/06; A61P29/00; A61P35/00; A61P35/02; A61P35/04; A61P43/00; A61P9/10; A61P9/12; C07D261/12; A61P3/10; C07D231/14; A61P3/06; C07D403/10; A61P17/04; A61P29/02

Cooperative Patent Class: A61K31/415; A61P1/04; A61P1/16; A61P1/18; A61P11/00; A61P13/02; A61P13/12; A61P17/00; A61P25/00; A61P25/02; A61P25/04; A61P27/02; A61P27/06; A61P29/00; A61P3/10; A61P35/00; A61P35/02; A61P35/04; A61P43/00; A61P9/10; A61P9/12; C07D231/38; C07D231/52; C07D233/88; C07D239/42; C07D261/14; C07D263/48; C07D401/04; C07D413/04; A61P3/00; C07D241/20; C07D401/10; C07D401/14; C07D403/10; C07D413/14; A61K31/4152; A61K31/42; C07D231/10; C07D261/10

US Class: 1/1; 548/245; 548/372.5

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Priority Numbers: US20130801426P [20130315]; US20130801231P [20130315]; US20130827409P [20130524]; WO2014US30712 [20140317]; AU20190202731 [20190417]; AU20140232383 [20140317]; US20180010755 [20180618]; WO2019US37749 [20190618]; CN201980047732 [20190618]; EP20140762555 [20140317]; JP20160503448T [20140317]; JP20190020553 [20190207]; JP20200570145T [20190618]; JP20200570145 [20190618]; JP20240059851 [20240403]; NZ20140712889 [20140317]; RU20200143608 [20190618]; US20140776954 [20140317]; US20150776954 [20150915]; US20180000283 [20180605]; US20200784486 [20200207]; US20190015289 [20190618]

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW; DJ; JO; KH; KW

13. Family 67377210 (US2019169114 AA)

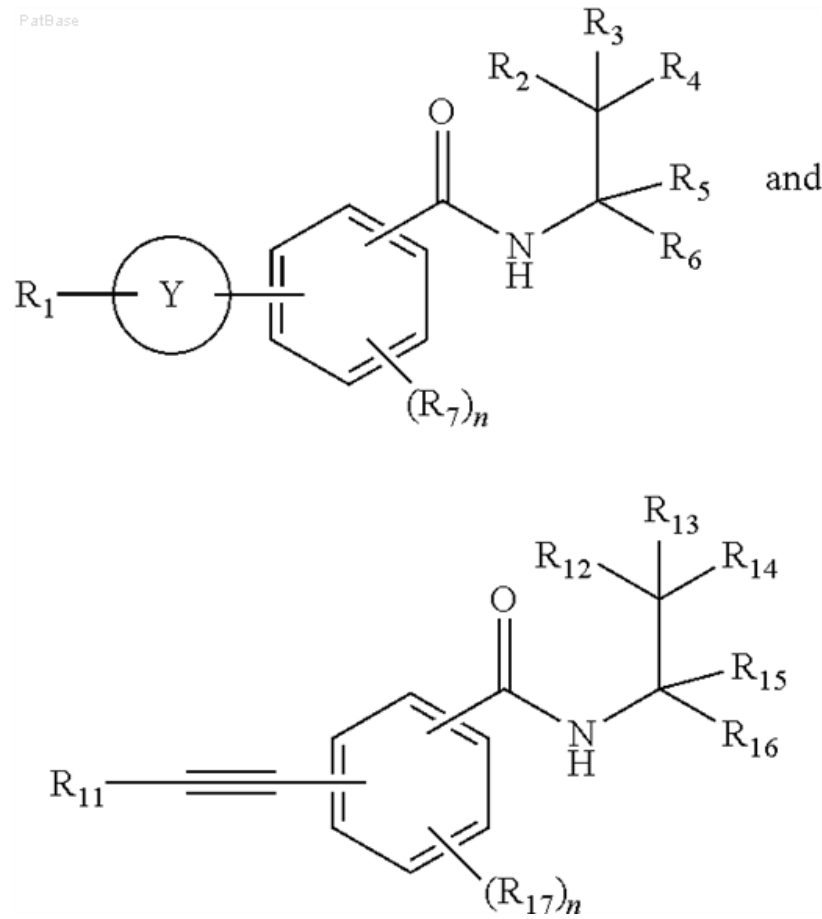
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Title

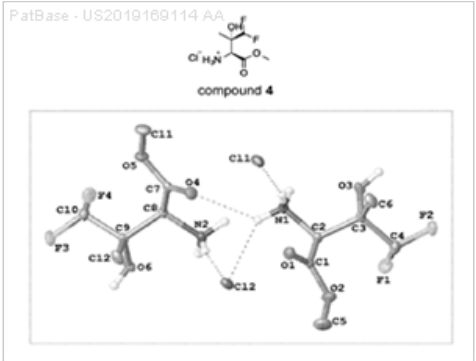
[EN] BENZOYLGLYCINE DERIVATIVES AND METHODS OF MAKING AND USING SAME

Abstract

[EN] Disclosed are compounds of formulae:



PatBase - US2019169114 AA



and pharmaceutically acceptable salts thereof, wherein the variables, R₁, R₂, R₃, R₄, R₅, R₆, R₇, R₁₁, R₁₂, R₁₃, R₁₄, R₁₅, R₁₆, R₁₇, n, and m are defined herein. These compounds are useful for treating Gram-negative bacteria infections. Also disclosed are methods of making these compounds.

International Class: A61K31/165; C07C237/34; A61K31/166; A61K31/351; A61K31/382; A61K31/396; A61K31/426; A61K31/5375; A61K31/54; A61K31/7032; A61P31/04; C07C227/12; C07C229/22; C07C259/06; C07C317/18; C07D203/08; C07D213/643; C07D263/16; C07D277/40; C07D295/155; C07D309/04; C07D335/02; C7C237/34; C07D203/18; C07C237/36; C07C311/06; C07C317/06; C07D203/10; C07D203/12; A61K31/198; A61K31/40; A61K31/45; A61K31/7034; C07B53/00; C07B57/00; C07B61/00; C07C227/10; C07C229/62; C07C231/16; C07C233/83; C07C259/18; C07C317/44; C07C67/30; C07C69/78; C07D203/16; C07D207/327; C07D213/64; C07D309/06; C07H15/203; C07D265/30; C07D295/10; C07D309/10

Cooperative Patent Class: A61P31/04; C07C237/34; C07C237/36; C07C259/06; C07C259/18; C07C2601/02; C07C2601/08; C07C2601/14; C07C311/06; C07C317/06; C07C317/18; C07C317/44; C07D203/08; C07D203/18; C07D207/327; C07D213/64; C07D263/16; C07D265/30; C07D277/40; C07D295/10; C07D295/155; C07D309/04; C07D309/10; C07D335/02; C07H15/203; Y02A50/30

US Class: 1/1

Family Information

Patent Number	Publication Date	Application Number	Application Date
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AU2017257755 BB	20210506	AU20170257755	20170425
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Patent Number	Publication Date	Application Number	Application Date
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EP3448375 B1	20230927	EP20170790274	20170425
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US2019367446 AA	20191205	US20180096611	20170425
US2021206715 AA	20210708	US20210207344	20210319
WO17189586 A1	20171102	WO2017US29429	20170425

Priority Numbers: US20160327061P [20160425]; WO2017US29429 [20170425]; EP20170790274 [20170425]; US20190270291 [20190207]; US20170096611 [20170425]; US20180096611 [20181025]; US20210207344 [20210319]

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Agent(s): SPRUSON AND FERGUSON; BORDEN LADNER GERVAIS LLP; DE CLERCQ AND PARTNERS; VIVIEN CHAN AND CO; AOKI ATSUSHI; MCDONNELL BOEHNEN HULBERT AND BERGHOFF LLP; MCDONNELL BOEHNEN HULBERT AND BERGHOFF LLP; MCMULLEN MICHELLE L; POLSINELLI PC; POLSINELLI PC; LIBBY JELENA JANJIC; MCDONNELL BOEHNEN HULBERT AND BERGHOFF LLP

Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

14. Family 65471978 (US2018305362 AA)

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Title
[EN] EP4 ANTAGONISTS

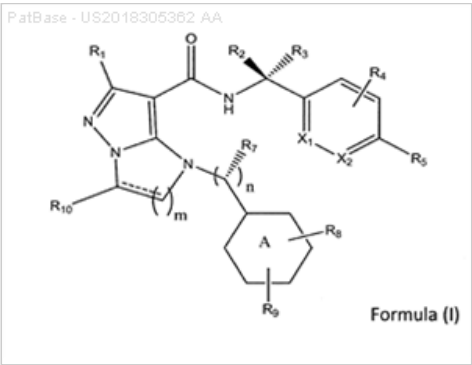
Abstract
[EN] We provide compounds given by Formula I, which is shown in FIG. 3, or pharmaceutically acceptable salts thereof, as well as formulations thereof and methods of use of those compounds and formulations for treatment of cancer.

International Class: A61K31/4188; A61K31/4439; A61K31/519; A61P35/00; C07D487/04; C07D519/00; C07D; A61P1/00; A61P1/16; A61P1/18; A61P11/00; A61P13/10; A61P13/12; A61P15/00; A61P17/00; A61P43/00
Cooperative Patent Class: A61K31/4188; A61P35/00; C07D487/04; C07D519/00; A61K35/00

US Class: 1/1; 548/360.1

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Designated States: AL; AT; BA; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; ME; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

15. Family 57700385 (US2014323579 AA)

[View in PatBase](#)

Title
[EN] 2,2-DIFLUOROPROPIONAMIDE DERIVATIVES OF BARDOXOLONE METHYL, POLYMORPHIC FORMS AND METHODS OF USE THEREOF

Abstract
[EN] The present invention relates generally to the compound: N-((4aS,6aR,6bS,8aR,12aS,14aR,14bS)-11-cyano-2,2,6a,6b,9,9,12a-heptamethyl-10,14-dioxo-1,2,3,4,4a,5,6,6a,6b,7,8,8a,9,10,12a,14,14a,14b-octadecahydricen-4a-yl)-2,2-difluoropropanamide, polymorphic forms thereof, methods for preparation and use thereof, pharmaceutical compositions thereof, and kits and articles of manufacture thereof.

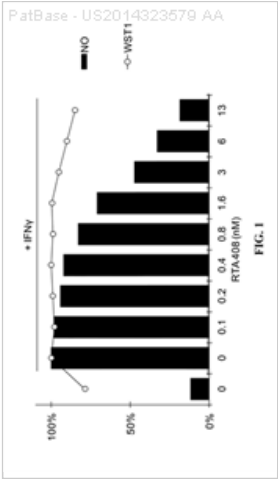
International Class: A61K31/565; A61P29/00; C07J63/00; A61K31/535; A61K31/56; C07D63/00; A61K; A61P; C07J; A61P43/00; A61K31/277; A61K47/44; A61K9/06; A61K9/08; A61K9/10; A61K9/107; A61K9/127; A61K9/14; A61K9/48; A61K9/70; A61P1/02; A61P1/04; A61P1/16; A61P1/18; A61P11/00; A61P11/06; A61P17/00; A61P17/02; A61P17/06; A61P17/14; A61P17/18; A61P19/02; A61P27/02; A61P3/06; A61P3/10; A61P31/04; A61P35/00; A61P37/06; A61P37/08; A61P39/06; A61P27/06; A61K31/00; C07J53/00; A61P27/00

Cooperative Patent Class: A61K31/565; A61P1/00; A61P17/06; A61P19/02; A61P29/00; A61P3/10; A61P31/04; A61P35/00; A61P37/06; A61P37/08; A61P39/06; A61P9/00; C07B2200/13; C07J63/008; C07J63/00

US Class: 1/1; 514/628; 564/210

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Priority Numbers: US20130815502P [20130424]; WO2014US35279 [20140424]; AU20140257072 [20140424]; AU20190200341 [20190118]; EP20140727306 [20140424]; JP20160510780T [20140424]; JP20180175962 [20180920]; KR20157033427 [20140424]; NZ20140732869 [20140424]; RU20150150069 [20140424]; RU20190120236 [20140424]; US20140260532 [20140424]; US20170821508 [20171122]; US20180186051 [20181109]; US20210444594 [20210806]; US20240411501 [20240112]; UY20140035534 [20140421]

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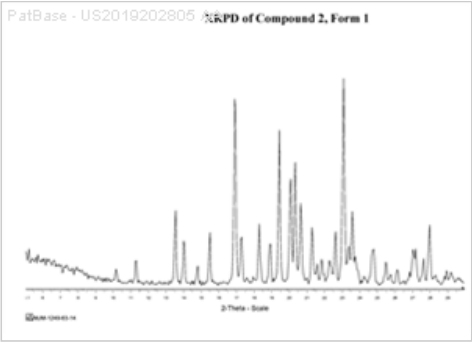
Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

16. Family 68887557 (US2019202805 AA)

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Title
[EN] CRYSTALLINE FORMS OF A LYSYL OXIDASE-LIKE 2 INHIBITOR AND METHODS OF MAKING

Abstract
[EN] Described herein are crystalline forms of pharmaceutically acceptable salts of the lysyl oxidase-like 2 (LOXL2) inhibitor (3-(4-(aminomethyl)-6-(trifluoromethyl)pyridin-2-yloxy)phenyl)((3R,4R)-3-fluoro-4-hydroxypyrrolidin-1-yl)methanone. Also described are methods of making the LOXL2 inhibitor, pharmaceutical compositions and medicaments comprising the LOXL2 inhibitor, and methods of using the LOXL2 inhibitor in the treatment of conditions, diseases, or disorders associated with LOXL2 activity.



International Class: A61K31/4439; C07D401/12; A61P35/00; A61P43/00; C07C309/66; C07D207/12; A61K; B01J23/44; C07B61/00; C12P1/00

Cooperative Patent Class: A61K31/4439; A61P35/00; A61P43/00; C07B2200/13; C07C309/66; C07D207/12; C07D401/12

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Priority Numbers: US20160384596P [20160907]; WO2017US50332 [20170906]; EP20170849479 [20170906]; US20170331095 [20170906]; US20190331095 [20190306]; US20200983759 [20200803]

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Assignees: PHARMAKEA INC

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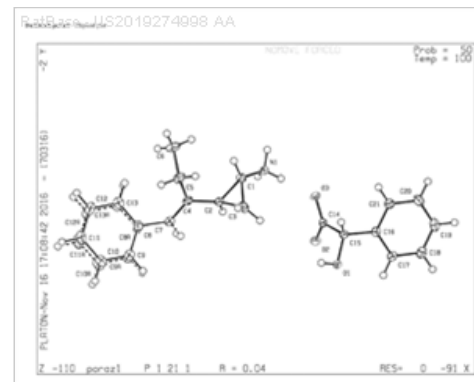
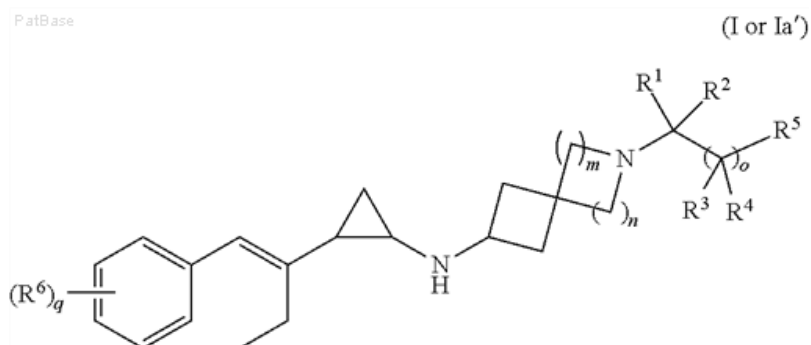
Agent(s): FB RICE PTY LTD; GOWLING WLG CANADA LLP; MEWBURN ELLIS LLP; KJERRUMGAARD LARS BO; HONGKONG TRUER IP LTD; CYNTHIA MADRIGAL DOMINGUEZ; TANIA LIBERTAD LOPEZ MEDINA; WILSON SONSINI GOODRICH AND ROSATI; WILSON SONSINI GOODRICH AND ROSATI; MAIER AND MAIER PLLC; MAIER AND MAIER PLLC; ZUNIC VALENTIN B

Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; MA; MD; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

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[EN] LSD1 INHIBITORS AND MEDICAL USES THEREOF

[EN] Provided are novel compounds of Formula (I or Ia'): and pharmaceutically acceptable salts thereof, which are useful for treating a variety of diseases, disorders or conditions, associated with LSD1. Also provided are pharmaceutical compositions comprising the novel compounds of Formula (I or Ia'), pharmaceutically acceptable salts thereof, and methods for their use in treating one or more diseases, disorders or conditions, associated with LSD1.



Cooperative Patent Class: A61K31/397; A61K31/438; A61P31/18; A61P31/22; A61P35/00; A61P35/02; C07D205/12; C07D221/20

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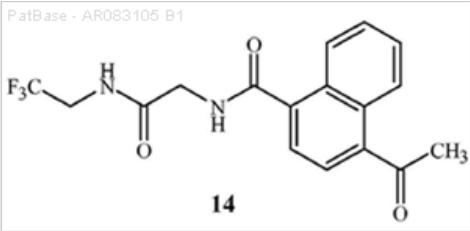
Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; MA; MD; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

18. Family 50915258 (US2013267729 AA)

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Title
[EN] METHOD FOR PREPARING 2-AMINO-N-(2,2,2-TRIFLUOROETHYL) ACETAMIDE

Abstract
[EN] Disclosed are methods for preparing compounds of Formula 1 and 1A. The first method utilizes a benzyl carbamate amine protecting group and an intermediate of Formula 4. The second method utilizes a tert-butyl carbamate amine protecting group and an intermediate of Formula 7. The third method utilizes a dibenzyl amine protecting group. Also disclosed is a compound, phenylmethyl N-[2-oxo-2-[(2,2,2-trifluoroethyl)amino]ethyl]carbamate (a compound of Formula 4). Further disclosed is a method for preparing a compound of Formula 14 from a compound of Formula 15 and a compound of Formula 1 or 1A.



International Class: C07C231/12; C07C231/14; C07C237/06; C07C237/22; C07C271/22; C07C231/02; C07C269/06; C07C271/18; C07C; C07C233/65; C07C27/06; C07B61/00; C07C237/10; C07C237/48; C07C261/00

Cooperative Patent Class: C07C231/02; C07C231/12; C07C231/14; C07C237/06; C07C237/22; Y02P20/55; C07C37/06

US Class: 560/31; 564/139

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Priority Numbers: US20100386673P [20100927]; AR2011P103504 [20110926]; WO2011US52938 [20110923]; AU20110312599 [20110923]; AU20160202641 [20160426]; AU20180201421 [20180227]; BR20131107040 [20110923]; CA20112812718 [20110923]; CA20182812718 [20181025]; CA20113021290 [20110923]; CA20113111132 [20110923]; EP20110764650 [20110923]; EP20160197213 [20110923]; IN2013DN02386 [20110923]; JP20130530349T [20110923]; JP20150241840 [20151211]; US20110824309 [20110923]; US20190246837 [20190114]; US20130824309 [20130624]; US20190247063 [20190114]; US20230126225 [20230324]

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Non Std Inventors: BRUENING JOERG WILMINGTON

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BA; BB; BF; BH; BJ; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; ME; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PE; PG; PH; QA; RU; RW; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

19. Family 76966241 (US2020102309 AA)

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Title
[EN] SUBSTITUTED HETEROCYCLE FUSED GAMMA-CARBOLINES SYNTHESIS

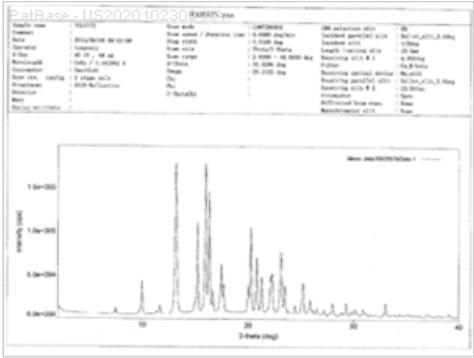
Abstract
[EN] The present invention provides improved methods for the preparation of substituted heterocycle fused gamma-carbolines, intermediates useful in producing them and methods for producing such intermediates and such heterocycle fused gamma-carbolines.

International Class: C07D471/04; C07D471/16; A61K31/4985; C07D519/00; A61P25/00; C09B44/02; A61P1/00; A61P15/08; A61P25/04; A61P25/06; A61P25/18; A61P25/20; A61P25/22; A61P25/24; A61P3/04; A61P43/00; C07D471/14

Cooperative Patent Class: A61K31/4985; A61P25/00; C07D471/16; C07D519/00

Family Information

Patent Number	Publication Date	Application Number	Application Date
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AU2019287460 BB	20240215	AU20190287460	20190611
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Patent Number	Publication Date	Application Number	Application Date
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US2020102309 AA	20200402	US20190438163	20190816
US2023009130 AA	20230112	US20220818606	20220809
WO19241278 A1	20191219	WO2019US36593	20190611

Priority Numbers: US20180683411P [20180611]; US20180780742P [20181217]; WO2019US36593 [20190611]; CA20193106447 [20190611]; IN201917030899 [20190731]; JP20210500830T [20190611]; JP20210500830 [20190611]; JP20240033907 [20240306]; US20190438163 [20190816]; US20190438163 [20190611]; US20220818606 [20220809]

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Designated States: AL; AT; BA; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; ME; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

20. Family 62803769 (US2017369480 AA)

[View in PatBase](#)

Title

[EN] COMPOUNDS, COMPOSITIONS, AND METHODS FOR INCREASING CFTR ACTIVITY

Abstract

[EN] The present disclosure is directed to disclosed compounds that increase cystic fibrosis transmembrane conductance regulator (CFTR) activity as measured in human bronchial epithelial (hBE) cells.

International Class: A61K31/4164; A61K31/42; A61K31/421; A61K31/4245; A61K31/4468; A61P11/00; C07D261/18; C07D307/68; C07D403/14; C07D407/12; C07D409/14; C07D413/12; C07D413/14; A61K31/341; A61K31/422; A61P25/00; C07D261/14; C07D307/54; C07D405/12; C07D417/12; A61K31/4178; A61K31/433; A61K31/454; A61K31/5377; A61P1/10; A61P1/18; A61P11/02; A61P11/06; A61P13/02; A61P15/08; A61P19/08; A61P21/00; A61P25/14; A61P25/16; A61P25/28; A61P27/04; A61P3/00; A61P3/10; A61P5/16; A61P7/00; A61K; A61P; C07D; A61K45/06; A61P13/12; A61P15/00; A61P19/00; A61P21/04; A61P27/02; A61P29/00; A61P3/06; A61P31/10; A61P35/00; A61P43/00; A61P5/00; A61P5/14; A61P5/18; A61P9/00; G01N33/50; A61K45/00

Cooperative Patent Class: A61K31/341; A61K31/42; A61K31/422; A61K31/4245; A61K31/433; A61K31/5377; A61K45/06; A61P1/10; A61P1/18; A61P11/00; A61P11/02; A61P11/06; A61P13/02; A61P13/12; A61P15/00; A61P15/08; A61P19/00; A61P19/08; A61P21/00; A61P21/04; A61P25/00; A61P25/14; A61P25/16; A61P25/28; A61P27/02; A61P27/04; A61P29/00; A61P3/00; A61P3/06; A61P3/10; A61P31/10; A61P35/00; A61P43/00; A61P5/00; A61P5/14; A61P5/16; A61P5/18; A61P7/00; A61P9/00; C07D261/14; C07D261/18; C07D307/54; C07D307/68; C07D405/12; C07D407/12; C07D409/14; C07D413/12; C07D413/14; C07D417/12; G01N33/502; G01N33/5044

US Class: 1/1; 514/210.2

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US2020190072 AA	20200618	US20190510406	20190712
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Priority Numbers: US20140096374P [20141223]; US20150102244P [20150112]; US20150199661P [20150731]; US20150196839P [20150724]; WO2015US00212 [20151223]; AU20150371294 [20151223]; AU20200256305 [20201012]; AU20220228100 [20220906]; EP20150825647 [20151223]; RU20170126232 [20151223]; US20150539392 [20151223]; US20170539392 [20170623]; US20190510406 [20190712]

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; MA; MD; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

21. Family 59353770 (US2016046614 AA)

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Title
[EN] AUTOTAXIN INHIBITOR COMPOUNDS

Abstract
[EN] Described herein are compounds that are autotaxin inhibitors, methods of making such compounds, pharmaceutical compositions and medicaments comprising such compounds, and methods of using such compounds in the treatment of conditions, diseases, or disorders associated with autotaxin activity.

International Class: A61K31/404; A61K31/4178; A61P11/00; C07D403/04; C07D403/14; A61P35/00; C07D401/04; C07D401/14; C07D493/10; A61K31/437; C07D471/12; A61K; A61P; C07D; A61K31/4155; A61K31/4439; A61K45/06; A61K9/00; A61K9/06; A61K9/08; A61K9/20; A61K9/48; C07D405/14; A61K45/00; A61P43/00; A61K31/00; C07D403/00
Cooperative Patent Class: A61K31/4155; A61K31/4439; A61K45/06; A61K9/0014; A61K9/0019; A61K9/0053; A61K9/06; A61K9/08; A61K9/20; A61K9/48; A61P11/00; A61P35/00; A61P43/00; C07D401/04; C07D401/14; C07D403/04; C07D405/14; C07D493/10; A61K9/0021; C07D403/14; A61K31/404; A61K31/4178

US Class: 1/1; 514/339; 514/407; 546/275.4; 546/277.7; 548/357.5; 548/364.7

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Priority Numbers: US20130907965P [20131122]; US20140038121P [20140815]; WO2014US66706 [20141120]; AU20190213425 [20190809]; AU20140352888 [20141120]; CN201480063881 [20141120]; EP20140864293 [20141120]; HK20160114544 [20161221]; KR20167014496 [20141120]; MX20160006623 [20160520]; US20130907865P [20131122]; US20160261659 [20160909]; US20160060398 [20160303]; US20150926877 [20151029]; US20180970337 [20180503]; US20200874073 [20200514]; US20220662403 [20220506]; US20230481141 [20231004]

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

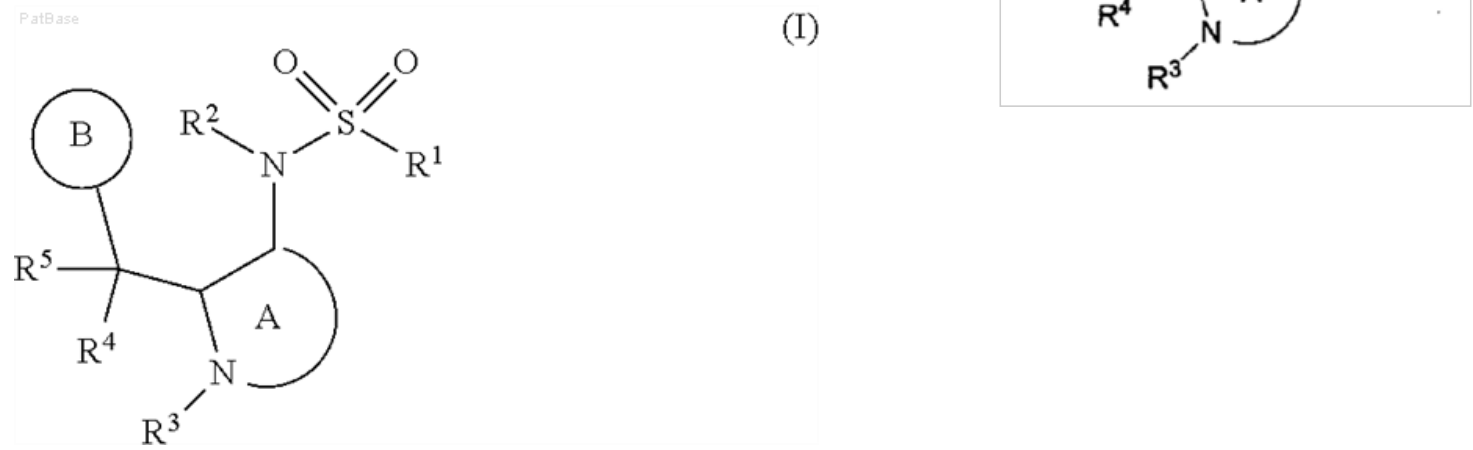
22. Family 73127312 (US2019040010 AA)

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Title
[EN] HETEROCYCLIC COMPOUND AND USE THEREOF

Abstract
[EN] The present invention provides a heterocyclic compound having an orexin type 2 receptor agonist activity.

A compound represented by the formula (I):



wherein each symbol is as described in the specification, or a salt thereof, is useful as an agent for the prophylaxis or treatment of narcolepsy.

International Class: A61K31/40; A61K31/435; A61K31/506; A61P25/00; A61P3/04; A61P43/00; C07D205/04; C07D207/16; C07D211/36; C07D401/06; C07D401/10; C07D401/14; C07D403/04; C07D403/06; C07D405/06; C07D405/12; C07D405/14; C07D409/10; C07D413/06; C07D417/06; C07D417/14; C07D207/14; C07D211/56; C07D405/10; C07D; A61K31/4025; A61P25/26; A61K31/397; A61K31/404; A61K31/427; A61K31/445; A61K31/4523; A61K31/4525; A61K31/453; A61K31/4535; A61K31/454; A61K31/4545; A61K31/501; A61K31/505; A61P25/20; A61K31/4155; A61K31/4178; A61K31/422; C07F7/18; A61K31/443; A61K31/4462; A61K31/496; A61K31/695; A61K; A61P

Cooperative Patent Class: A61K31/40; A61K31/4025; A61P25/00; A61P25/26; C07D205/04; C07D207/14; C07D211/36; C07D211/56; C07D401/06; C07D401/10; C07D401/14; C07D403/06; C07D405/06; C07D405/10; C07D405/12; C07D409/10; C07D413/06; C07D417/06; C07D417/14; A61K31/435

US Class: 1/1; 514/210.18

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Patent Number	Publication Date	Application Number	Application Date
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Priority Numbers: JP20170150685 [20170803]; JP20170248495 [20171225]; WO2018JP29696 [20180802]; JP20170150685 [20170802]; EP20180762939 [20180802]; JP20190502822T [20180802]; JP20190149969 [20190819]; US20180052967 [20180802]; US20190577449 [20190920]; US20200811426 [20200306]; US20220846830 [20220622]

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

23. Family 75909021 (US2021017152 AA)

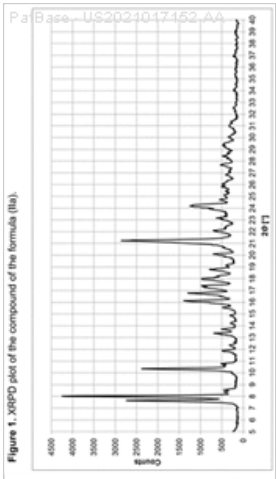
[View in PatBase](#)

Title
[EN] PREPARATIVE PROCESS

Abstract
[EN] The present invention relates to a process for preparing 4-((2S)-2-{4-[5-chloro-2-(4-chloro-1H-1,2,3-triazol-1-yl)phenyl]-5-methoxy-2-oxopyridin-1(2H)-yl}butanoyl)amino)-2-fluorobenzamide (I) or 4-((2S)-2-{4-[5-chloro-2-[4-(trifluoromethyl)-1H-1,2,3-triazol-1-yl]phenyl]-5-methoxy-2-oxopyridin-1(2H)-yl}butanoyl)amino)-2-fluorobenzamide (II) from 2,5-dimethoxypyridine (III), 1-(2-bromo-4-chlorophenyl)-4-chloro-1H-1,2,3-triazole (X-CI) or 1-(2-bromo-4-chlorophenyl)-4-(trifluoromethyl)-1H-1,2,3-triazole (X-CF₃), 4-amino-2-fluorobenzamide (XIII) and (2R)-2-aminobutanoic acid (XVII).

International Class: C07C233/00; C07D401/10; A61K31/4439; A61P7/02; C07C237/30; A61K31/4412; C07C233/64; C07D401/00; A61K31/4192; A61K31/4418; C07D213/02; C07D249/06

Cooperative Patent Class: A61K31/4439; A61P7/02; C07C237/30; C07D401/10; C07C233/64



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Priority Numbers: EP20180161983 [20180315]; WO2019EP55815 [20190308]; EP20190708556 [20190308]; RU20200133706 [20190308]

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

24. Family 73167292 (US2022064158 AA)

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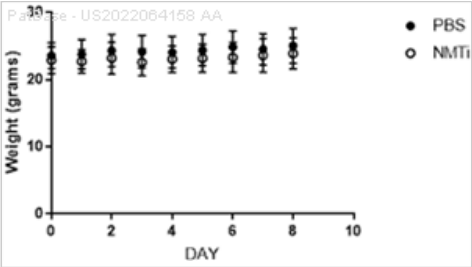
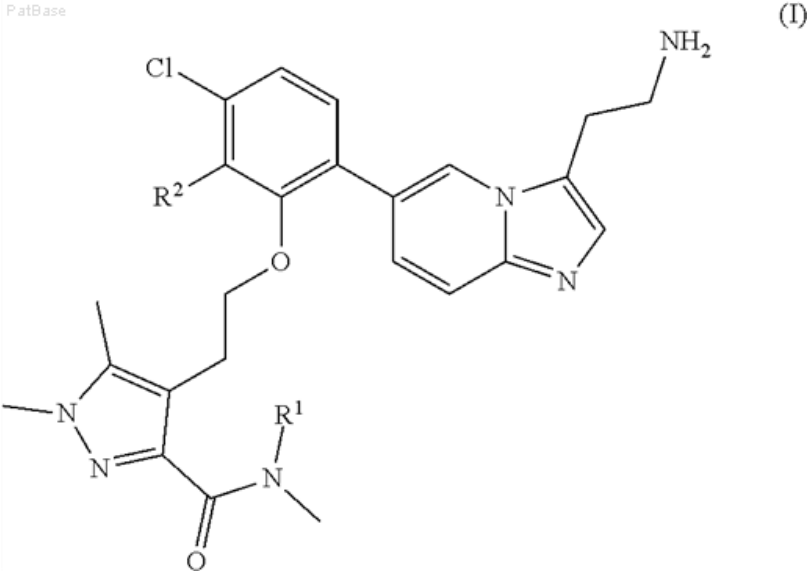
Title

[EN] NOVEL COMPOUNDS AND THEIR USE IN THERAPY

Abstract

[EN] The invention provides inter alia compound as defined herein and its use in the prevention or treatment of a disease or disorder in which inhibition of N-myristoyl transferase provides a therapeutic or prophylactic effect, e.g. cancer.

PatBase



International Class: A61K31/437; A61P25/00; A61P3/10; A61P31/12; A61P33/00; A61P35/00; C07D471/04; A61K31/505; A61K38/17; A61K9/51; C07D401/12; C07D487/04; A61K45/00; A61P1/16; A61P1/18; A61P11/00; A61P17/00; A61P19/10; A61P25/02; A61P27/02; A61P29/00; A61P29/02; A61P31/14; A61P31/18; A61P35/02; A61P37/06; A61P43/00; A61P9/00; A61P9/10; A61K45/06

Cooperative Patent Class: A61K31/437; A61K45/06; A61P35/00; C07D471/04; Y02A50/30

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Priority Numbers: GB20180020659 [20181219]; WO2019GB53613 [20191219]; EP20190831814 [20191219]

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

25. Family 65134221 (US2018258044 AA)

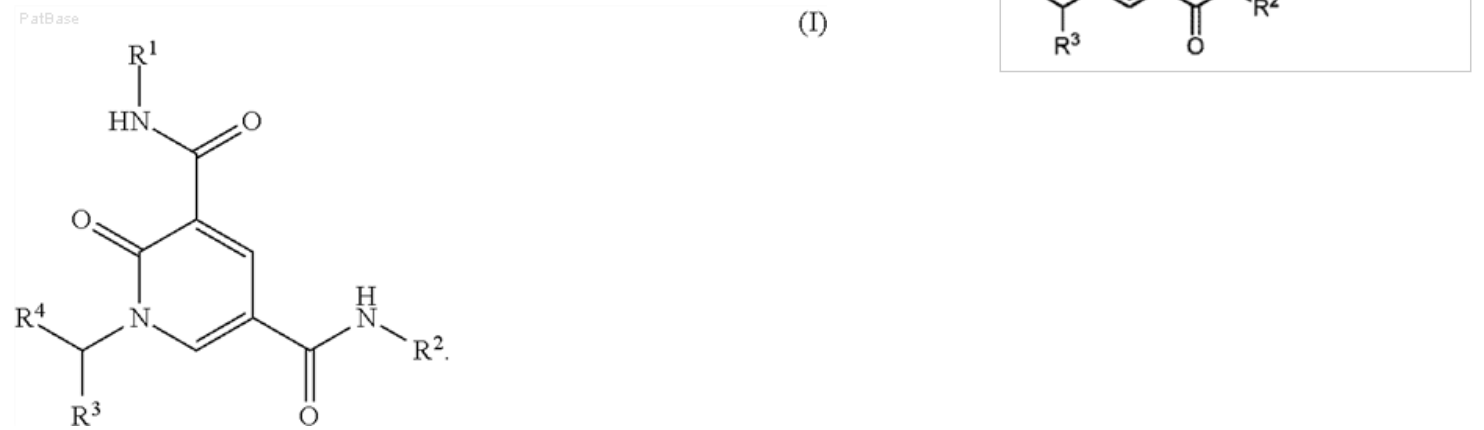
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Title

[EN] PYRIDINONE DICARBOXAMIDE FOR USE AS BROMODOMAIN INHIBITORS

Abstract

[EN] The present invention relates to compounds of formula (I) and salts thereof, pharmaceutical compositions containing such compounds and to their use in therapy



International Class: A61K31/437; A61K31/4433; A61K31/4439; A61K31/444; A61P35/00; C07D213/85; C07D401/04; C07D405/06; C07D405/10; C07D413/06; C07D413/10; C07D471/04; A61K31/501; C07D401/12; A61P29/00; A61P37/00; A61K; C07D; A61K31/455; A61P19/02; A61P31/12; A61P37/02; C07D213/82; A61K31/4709; A61K31/4725; A61K31/498; A61K31/5377; A61K31/55; A61K45/00; A61P43/00; C07D401/06; C07D405/04; A61K31/4412; A61K45/06; A61P31/00; A61K31/44; A61K31/443; C07D213/81

Cooperative Patent Class: A61K31/4412; A61K31/4439; A61K31/455; A61K45/06; A61P19/02; A61P29/00; A61P31/00; A61P31/12; A61P35/00; A61P37/00; A61P37/02; A61P43/00; C07D213/82; C07D401/06; C07D405/06; C07D413/06; C07D471/04

US Class: 1/1; 514/217.01

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Priority Numbers: US20150213137P [20150902]; WO2016EP70519 [20160831]; US20160757199 [20160831]; US20190535139 [20190808]; US20180757199 [20180302]

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Designated States: AL; AT; BA; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; ME; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

26. Family 64904586 (US2017044101 AA)

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Title
[EN] SALTS OF AN LSD1 INHIBITOR

Abstract
[EN] The present disclosure relates to tosylate salts 1-([4-(methoxymethyl)-4-(((1R,2S)-2-phenylcyclopropyl)amino)methyl)piperidin-1-yl)methyl)cyclobutanecarboxylic acid, methods of preparation thereof, and intermediates in the preparation thereof, which are useful in the treatment of the LSD1-associated or mediated diseases such as cancer.

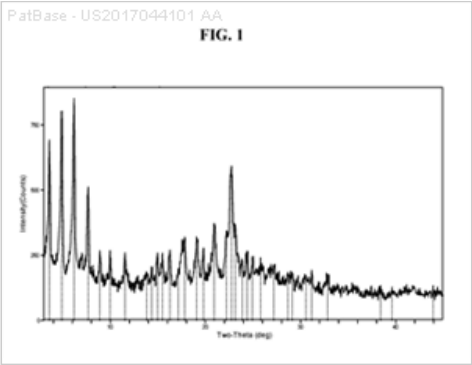
International Class: A61K31/445; A61P35/00; C07D211/34; A61K31/44; C07D211/26; C07D211/32; A61P35/02; A61K; C07D; C07D211/22; A61P43/00; A61K31/4453; A61K31/4465; A61K31/33

Cooperative Patent Class: A61K31/445; A61K31/4453; A61K31/4465; A61P35/00; A61P35/02; A61P43/00; C07B2200/13; C07D211/22; C07D211/26; C07D211/32

US Class: 1/1; 514/331

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Patent Number	Publication Date	Application Number	Application Date
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Priority Numbers: US20150204105P [20150812]; US20160326246P [20160422]; WO2016US46497 [20160811]; US20160234053 [20160811]; US20190447841 [20190620]; US20200900498 [20200612]

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Designated States: AL; AT; BA; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; ME; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

27. Family 65425074 (US2018291006 AA)

[View in PatBase](#)

Title

[EN] COMPOUNDS, COMPOSITIONS, AND METHODS FOR MODULATING CFTR

Abstract

[EN] The present disclosure is directed to disclosed compounds that modulate, e.g., address underlying defects in cellular processing of CFTR activity.

International Class: A61K31/4709; A61K31/517; A61P1/18; A61P11/00; A61P11/06; A61P11/08; A61P3/06; A61P3/08; A61P3/10; C07D405/04; C07D405/14; C07D409/04; C07D409/14; C07D413/04; C07D413/14; C07D417/04; C07D471/04; C07D487/04; C07D493/08; C07D401/04; A61K; A61P; C07D; A61K31/352; A61K31/404; A61K31/4375; A61K31/443; A61K31/47; A61K31/497; A61K31/4985; A61K31/506; A61K31/519; A61K31/675; A61K45/00; A61P1/10; A61P11/02; A61P11/14; A61P13/02; A61P13/12; A61P15/00; A61P17/00; A61P19/00; A61P19/08; A61P21/02; A61P25/00; A61P25/02; A61P25/14; A61P25/16; A61P25/28; A61P27/02; A61P3/00; A61P31/10; A61P35/00; A61P37/06; A61P37/08; A61P39/02; A61P43/00; A61P5/00; A61P5/16; A61P5/20; A61P5/48; A61P7/00; A61P7/02; A61P7/04; A61P7/10; A61P9/00; C07F9/38; A61K31/4725; A61P29/00; A61K31/343; A61K45/06

Cooperative Patent Class: A61K31/343; A61K31/404; A61K31/4375; A61K31/443; A61K31/47; A61K31/4709; A61K31/4725; A61K31/517; A61K31/519; A61K45/06; A61P11/00; A61P29/00; A61P43/00; C07D401/04; C07D405/04; C07D405/14; C07D409/04; C07D409/14; C07D413/04; C07D413/14; C07D417/04; C07D471/04; C07D487/04; C07D493/08

US Class: 1/1; 514/300

Family Information

Patent Number	Publication Date	Application Number	Application Date
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AU2016336437 AA	20180419	AU20160336437	20161006
AU2016336437 BB	20200618	AU20160336437	20161006
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Priority Numbers: US20150237887P [20151006]; US20160277600P [20160112]; US20160319433P [20160407]; WO2016US55693 [20161006]; AU20200233776 [20200918]; AU20160336437 [20161006]; EP20160782380 [20161006]; RU20180116569 [20161006]; US20160766667 [20161006]; US20190716765 [20191217]; US20180766667 [20180406]; US20210411682 [20210825]

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

28. Family 60049860 (US2015225394 AA)

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Title
[EN] CYCLOPROPYLAMINES AS LSD1 INHIBITORS

Abstract
[EN] The present invention is directed to cyclopropylamine derivatives which are LSD1 inhibitors useful in the treatment of diseases such as cancer.

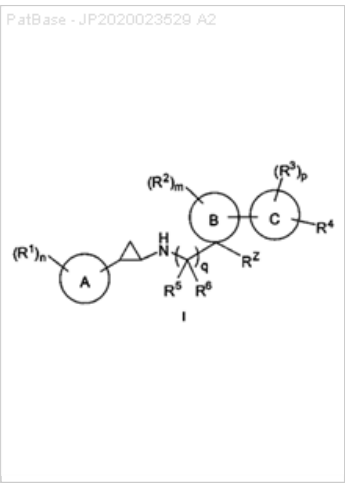
International Class: A61K31/451; A61K31/4523; A61P35/00; A61P35/02; C07D211/58; C07D401/04; A61K31/445; C07D211/98; C07D401/14; C07D405/12; C07D405/14; C07D413/06; C07D417/14; A61K; C07D; A61K31/397; A61P31/12; C07D205/04; C07D211/26; A61P7/00; A61P7/06; C07D403/04; A61P43/00; C07D211/34; A61K31/4525; A61K31/453; A61K31/454; A61K31/4545; A61K31/497; A61K31/506; A61K31/5377; A61K31/00; C07D211/00; C07D401/00; C07D405/00; C07D413/00; C07D417/00

Cooperative Patent Class: A61K31/397; A61K31/445; A61K31/4523; A61P31/12; A61P35/00; A61P35/02; A61P43/00; A61P7/00; A61P7/06; C07D205/04; C07D211/26; C07D211/34; C07D211/58; C07D211/98; C07D401/04; C07D401/14; C07D403/04; C07D405/12; C07D405/14; C07D413/06; C07D417/14

US Class: 1/1; 435/184; 514/210.01; 514/210.18; 514/210.2; 514/329; 514/331; 544/130; 546/194; 546/208; 546/223; 546/230; 546/233; 546/235; 548/950

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Patent Number	Publication Date	Application Number	Application Date	
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VN10030723 B	20220125	VN20160003088	20150212	
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Priority Numbers: US20140939458P [20140213]; US20140061258P [20141008]; WO2015US15635 [20150212]; AU20190204244 [20190617]; AU20150217119 [20150212]; EP20150707007 [20150212]; IN201627028454 [20160822]; JP20160551815T [20150212]; JP20190186168 [20191009]; JP20190186168 [20150212]; JP20200174661 [20201016]; MX20160010390 [20160810]; US20150620884 [20150212]; US20160288605 [20161007]; US20180970954 [20180504]; US20200864304 [20200501]

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

29. Family 61996925 (US2016090357 AA)

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Title

[EN] PROCESSES AND INTERMEDIATES IN THE PREPARATION OF C5aR ANTAGONISTS

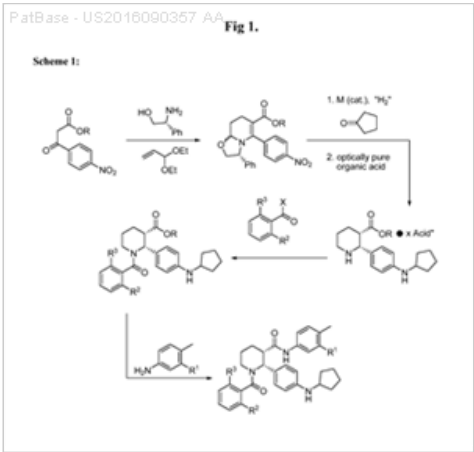
Abstract

[EN] Intermediates and methods are provided for the preparation of selected C5aR antagonist compounds.

International Class: A61K31/445; C07D211/60; A61K31/451; A61K; C07D; A61P13/12; A61P29/00; A61P31/04; A61P37/02; A61P37/06; A61P9/10; C07D498/04; C07D211/06

Cooperative Patent Class: A61K31/451; A61P13/12; A61P29/00; A61P31/04; A61P37/02; A61P37/06; A61P9/10; C07D211/60

US Class: 1/1; 546/225; 546/226; 546/227



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ZA201701840 A	20211124	ZA20170001840	20170315

Priority Numbers: US20140057107P [20140929]; WO2015US52697 [20150928]; AU20150324111 [20150928]; AU20210204209 [20210622]; CA20152960733 [20150928]; CN201580052937 [20150928]; EP20150845610 [20150928]; EP20200160995 [20150928]; IN201717009987 [20170322]; KR20177011789 [20150928]; MX20170003789 [20170323]; NZ20150730123 [20150928]; RU20170114960 [20150928]; US20150867669 [20150928]; US20170659468 [20170725]; US20190360195 [20190321]; US20190706296 [20191206]; US20220667289 [20220208]

Probable Patent Assignee: CHEMOCENTRYX INC

Assignees: CHEMOCENTRYX INC

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Inventors: TANAKA HIROKO; FAN PINGCHEN; KRASINSKI ANTONI; PUNNA SREENIVAS; POWERS JAY; ZHANG PENGLIE; KALISIAK JAROSLAW; LUI REBECCA; PINGCHEN FAN; JAROSLAW KALISIAK; ANTONI KRASINSKI; JAY POWERS; SREENIVAS PUNNA; HIROKO TANAKA; PENGLIE ZHANG; REBECCA LUI; KALISIAK JAREK; LUI REBECCA M

Non Std Inventors: REBECCALUI; FAN PINGCHEN FREMONT; KALISIAK JAROSLAW MOUTAIN VIEW; KRASINSKI ANTONI SAN JOSE; LUI REBECCA SANTA CLARA; POWERS JAY PACIFICA; PUNNA SREENIVAS SUNNYVALE; TANAKA HIROKO FOSTER CITY; ZHANG PENGLIE FOSTER CITY; FAN PINCHEN; KALISIAK YAROSLAV; KRASINSKI ENTONI; LYU REBEKKA; PAUERS DZHEJ; PUNNA SRINIVAS; TANAKA KHIROKO; CHZHAN PENLI

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

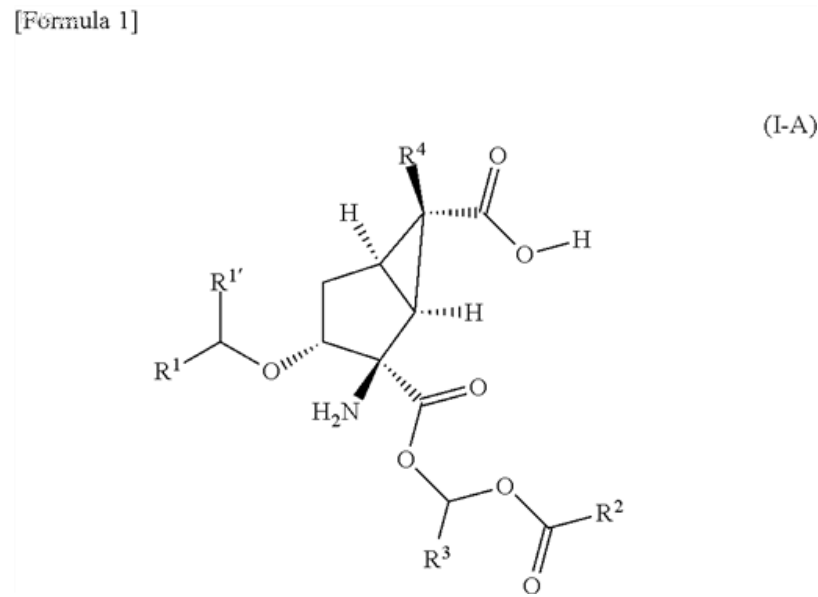
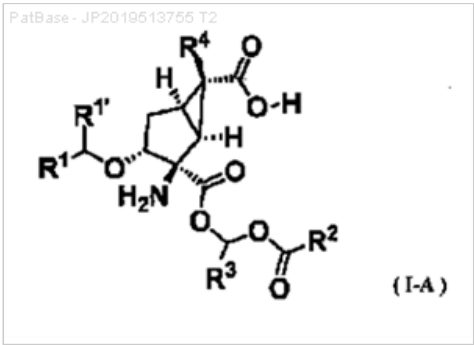
30. Family 67325852 (US2019047943 AA)

[View in PatBase](#)

Title
[EN] PRODRUG OF AMINO ACID DERIVATIVE

Abstract
[EN] Provided is an amino acid derivative prodrug represented by general formula (I-A) that is a prodrug form of an amino acid derivative which is a group 2 metabotropic glutamate receptor antagonist, or a pharmaceutically acceptable salt thereof.

More specifically, provided is an amino acid derivative prodrug represented by general formula (I-A) that is a preventive or therapeutic drug for mood disorders (including depression and bipolar disorder), anxiety disorder, cognitive disorders, developmental disorders, Alzheimer's disease, Parkinson's disease, movement disorders associated with muscular rigidity, sleep disorders, Huntington's chorea, eating disorders, drug dependence, epilepsy, brain infarction, cerebral ischemia, cerebral insufficiency, cerebral edema, spinal cord disorders, head trauma, inflammation and immune-related diseases, and so on.



International Class: A61K31/196; A61P25/24; C07C229/50; A61K; A61P; C07C; A61P25/00; A61P25/14; A61P25/16; A61P25/20; A61P25/22; A61P25/28; A61P25/30; A61P37/02; A61P43/00; A61P9/00; A61P9/10; C07C255/47; C07C271/24; C07D213/61; C07D213/64; A61K31/223; A61K31/44; A61K47/54; A61P25/08; A61P25/18; A61P25/36; A61P29/00; A61K31/00; C07C229/00

Cooperative Patent Class: A61K31/196; A61P25/00; A61P25/14; A61P25/16; A61P25/20; A61P25/22; A61P25/24; A61P25/28; A61P25/30; A61P37/02; A61P43/00; A61P9/00; A61P9/10; C07C229/50; C07C255/47; C07C2601/08; C07C2601/14; C07C2601/16; C07C2602/18; C07C2602/42; C07C2602/48; C07C2603/56; C07C2603/74; C07C271/24; C07D213/61; C07D213/64

US Class: 1/1; 514/351

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Patent Number	Publication Date	Application Number	Application Date
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Priority Numbers: JP20160083147 [20160418]; WO2017JP16125 [20170418]; EP20170724459 [20170418]; JP20180552900T [20170418]; JP20200212361 [20201222]; RU20180140250 [20170418]; US20190511349 [20190715]; US20180765903 [20180404]

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

31. Family 67830773 (US2017355679 AA)

[View in PatBase](#)

Title

[EN] FLUORINATED 2-AMINO-4-(SUBSTITUTED AMINO)PHENYL CARBAMATE DERIVATIVES

Abstract

[EN] The application relates to 2-amino-4-(substituted amino)phenyl carbamate derivatives, or pharmaceutically acceptable salts or solvates thereof, as KCNQ2/3 potassium channel modulators, and methods of their uses.

International Class: A61K31/13; A61K31/403; A61K31/47; C07C269/00; C07C271/28; C07D209/44; A61P25/00; C07D; A61K31/27; A61K31/4035; A61K31/472; A61P25/08; A61P43/00; C07C233/05; C07D217/04; C07C233/43

Cooperative Patent Class: A61K31/13; A61K31/403; A61K31/47; A61P25/00; C07C233/43; C07C269/00; C07C271/28; C07D209/44; C07D217/04

US Class: 1/1; 514/307

Family Information

Patent Number	Publication Date	Application Number	Application Date
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AU2017278093 BB	20211216	AU20170278093	20170609
AU2017278093 BH	20211223	AU20170278093	20170609
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WO17214539 A1	20171214	WO2017US36802	20170609

Priority Numbers: US20160348481P [20160610]; WO2017US36802 [20170609]; US20170618937 [20170609]; US20190599203 [20191011]; US20200888893 [20200601]; US20210145453 [20210111]

Probable Patent Assignee: SCIFLUOR LIFE SCIENCES INC

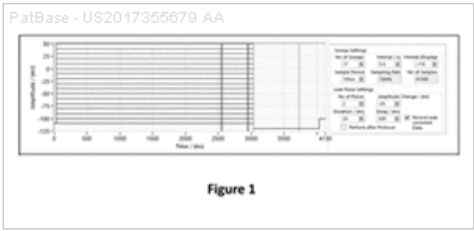
Assignees: SCIFLUOR LIFE SCIENCES INC; OCUTERRA THERAPEUTICS INC

Non Std Assignees: EDWARDS D SCOTT; ASKEW BEN C; FURUYA TAKERU

Inventors: EDWARDS D SCOTT; ASKEW BEN C; FURUYA TAKERU; SCOTT D EDWARDS; BEN C ASKEW; TAKERU FURUYA; D SCOTT EDWARDS

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; RIDOUT AND MAYBEE LLP; SMART AND BIGGAR LP; COOLEY UK LLP; KAWAMOTO KAZUYA; OSAKABE SUGURU; SHIMIZU HATSUSHI; HECTOR ELIAS CHAGOYA CORTES; DAVIS CHAD E; DECHERT LLP; DECHERT LLP; CHEN CHEN ET AL; COOLEY LLP

Designated States: AL; AT; BA; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; ME; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

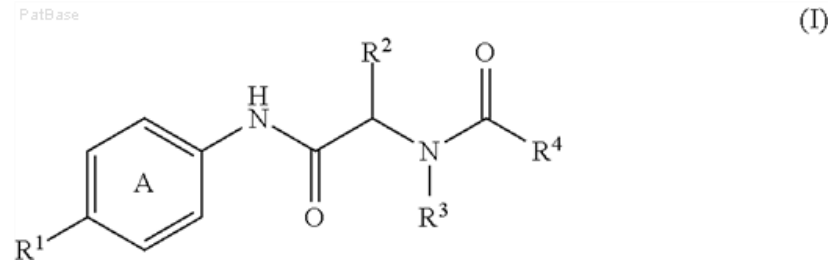
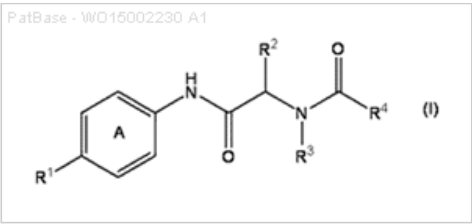


32. Family 58241778 (US2017107240 AA)

[View in PatBase](#)

Title
[EN] AMIDE COMPOUND

Abstract
[EN] The present invention relates to compound (I) or a salt thereof which has a RORgammat inhibitory action. In the formula (I), each symbol is as defined in the specification.



International Class: A61K31/351; A61K31/381; A61K31/40; A61K31/416; A61K31/42; A61K31/445; C07C237/22; C07D205/04; C07D207/26; C07D209/18; C07D211/62; C07D233/72; C07D239/36; C07D261/08; C07D309/06; C07D333/38; C07D405/12; C07F7/08; C07F7/10; C07K5/065; A61K31/167; A61K31/341; A61K31/382; A61K31/397; A61K31/4015; A61K31/407; A61K31/4166; A61K31/421; A61K31/4245; A61K31/426; A61K31/4406; A61K31/45; A61K31/455; A61K31/50; A61K31/505; A61K31/5375; A61K31/695; A61P1/04; A61P17/06; A61P19/02; A61P25/00; A61P29/00; A61P43/00; C07D207/12; C07D207/277; C07D211/88; C07D213/82; C07D233/34; C07D239/52; C07D263/20; C07D263/40; C07D271/10; C07D277/56; C07D295/205; C07D307/68; C07D333/48; C07D335/02; C07D401/12; C07D403/12; C07D409/12; C07D413/12; C07D487/04; C07F7/12; C07F7/30; C07D231/12; C07D231/56; C07D237/14; C07D239/54; C07D309/08; C07D403/06; C07K5/087; C07D213/64; C07D261/12; C07D295/14; C07D277/20; C07D295/18

Cooperative Patent Class: A61P1/04; A61P17/06; A61P19/02; A61P25/00; A61P29/00; A61P43/00; C07C237/22; C07D205/04; C07D207/12; C07D207/26; C07D209/18; C07D211/62; C07D213/64; C07D231/12; C07D231/56; C07D233/72; C07D237/14; C07D239/36; C07D239/54; C07D261/08; C07D261/12; C07D271/10; C07D295/14; C07D309/06; C07D309/08; C07D333/38; C07D403/06; C07D405/12; C07D413/12; C07D487/04; C07F7/081; C07F7/0812; C07F7/10; C07F7/30; C07K5/06078; C07K5/0812

US Class: 1/1; 514/63

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Priority Numbers: JP20130140213 [20130703]; EP20140819944 [20140702]; WO2014JP67649 [20140702]; US20190576293 [20190919]; US20150902388 [20151231]; US20210316185 [20210510]

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Assignees: TAKEDA PHARMACEUTICAL CO LTD; TAKEDA PHARMACEUTICAL; TAKEDA PHARMACEUTICALS CO

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

33. Family 59394063 (US2015152068 AA)

[View in PatBase](#)

Title
[EN] NOVEL AMINO PYRIMIDINE DERIVATIVES

Abstract
[EN] The present invention describes new amino pyrimidine derivatives and pharmaceutically acceptable salts thereof which appear to interact with Bruton's tyrosine kinase (Btk). Accordingly, the novel amino pyrimidines may be effective in the treatment of autoimmune disorders, inflammatory diseases, allergic diseases, airway diseases, such as asthma and chronic obstructive pulmonary disease (COPD), transplant rejection, cancers e.g. of hematopoietic origin or solid tumors.

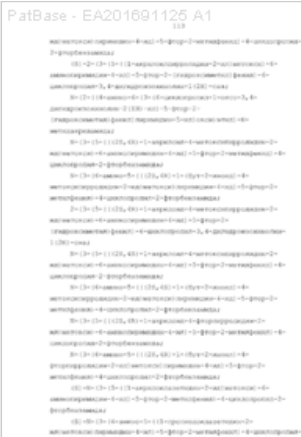
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Cooperative Patent Class: A61K31/505; A61K31/506; A61K31/513; A61P29/00; A61P35/00; A61P35/02; C07D239/47; C07D401/10; C07D401/12; C07D401/14; C07D403/12; C07D405/12; Y02P20/55

US Class: 1/1; 514/210.18; 514/269; 544/298

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Priority Numbers: EP20130195081 [20131129]; WO2014IB66422 [20141128]; CN201480058515 [20141128]; EP20140821285 [20141128]; EP20170191467 [20141128]; EP20200158961 [20141128]; EP20170191467 [20170915]; HK20180111597 [20180910]; JP20160535053T [20141128]; JP20180094772 [20180516]; KR20167013830 [20141128]; US20140540140 [20141113]; US20160135296 [20160421]; US20180974190 [20180508]; US20190571405 [20190916]; US20210508054 [20211022]; US20230309948 [20230501]

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; ME; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

34. Family 63564915 (US2017369443 AA)

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Title

[EN] FLUORINATED LYSYL OXIDASE-LIKE 2 INHIBITORS AND USES THEREOF

Abstract

[EN] Described herein are compounds that are LOXL2 inhibitors, methods of making such compounds, pharmaceutical compositions and medicaments comprising such compounds, and methods of using such compounds in the treatment of conditions, diseases, or disorders associated with LOXL2 activity.

International Class: A61K31/4439; A61K31/444; A61P19/00; C07D213/22; C07D213/36; C07D401/12; A61P1/16; A61P11/00; A61P13/12; A61P17/00; A61P9/00; C07D213/38; C07D213/64; C07D213/70; C07D213/74; C07D213/75; C07D401/06; C07D401/14; C07D405/12; C07D405/14; C07D409/12; C07D413/12; C07D413/14; C07D491/107; C07D498/10; A61P35/00; A61K; A61P; C07D; A61K31/4422; A61K31/4436; A61K31/4545; A61K31/4709; A61K31/4725; A61K31/497; A61K31/506; A61K31/513; A61K9/06; A61K9/08; A61K9/10; A61K9/107; A61K9/20; A61K9/48; A61P19/04; A61P27/02; A61P43/00; C07D213/81; C07D213/643; A61K31/44

Cooperative Patent Class: A61K31/44; A61K31/4436; A61K31/444; A61P11/00; A61P35/00; C07D213/38; C07D213/64; C07D213/643; C07D213/70; C07D213/74; C07D213/75; C07D401/06; C07D401/12; C07D401/14; C07D405/12; C07D405/14; C07D409/12; C07D413/12; C07D413/14; C07D491/107; C07D498/10

US Class: 1/1; 514/210.18

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Patent Number	Publication Date	Application Number	Application Date
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Priority Numbers: US20150129543P [20150306]; WO2016US20732 [20160303]; AU20160229268 [20160303]; AU20200220225 [20200824]; EP20160762186 [20160303]; US20170695911 [20170905]; US20180138680 [20180921]; US20190713314 [20191213]

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

35. Family 34395523 (US2009156576 AA)

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Title

[EN] AZETIDINES AS MEK INHIBITORS FOR THE TREATMENT OF PROLIFERATIVE DISEASES

Abstract

[EN] Disclosed are compounds of Formula (I) and pharmaceutically acceptable salts and solvates thereof. Such compounds are MEK inhibitors and are useful in the treatment of proliferative diseases, such as cancer. Also disclosed are pharmaceutical compositions containing such compounds as well as methods of using the compounds and compositions of the invention in the treatment of cancer.



FDA Data

Application Number	Active Ingredient	Proprietary Name	Applicant	Date Of Approval
206192	COBIMETINIB FUMARATE	COTELLIC	GENENTECH INC	20151110

International Class: C07D205/04; C07D205/06; C07D401/06; C07D401/12; C07D401/14; C07D403/04; C07D403/06; C07D403/12; C07D205/00; C07D401/00; C07D403/00; C07D405/00; C07D405/12; C07D409/00; C07D409/06; C07D409/12; C07D413/00; C07D413/12; C07D413/14; C07D417/00; C07D417/12; C07D471/00; C07D471/04; A61K31/397; A61P17/02; A61P17/06; A61P35/00; A61P35/02; A61K31/4523; A61K31/381; A61K31/395; A61K31/4025; A61K31/404; A61K31/4178; A61K31/4192; A61K31/4245; A61K31/427; A61K31/437; A61K31/4427; A61K31/502; A61K31/55; C07D401/04; A61K31/4439; A61K31/454; A61K31/551; A61K31/416; A61K31/4184; A61K31/423; A61K31/4545; A61K31/4709; A61K31/496; A61K31/501; A61K31/506; A61K31/5377; A61K31/513; A61K31/4155; A61K31/4196; A61K31/53; C07D403/14; C07D405/04; C07H15/04; C07H5/06; A61K31/195; A61K31/44; C07D; A61K; A61P; C07H; C07D205/085; A61K31/4164; A61K31/4353; A61K31/5375; A61K31/7042; A61K31/7052; A61P17/00; A61P43/00; C07H15/00; C07H15/26; A61K31/403; A61K31/4045; A61K31/337; A61K31/4035; A61K31/40; A61K31/4402; C07D407/12; C07C225/22; C07D413/06; A61K31/21; A61K31/27; A61K31/50; A61K31/505; C07

Cooperative Patent Class: A61K31/397; A61P17/02; A61P17/06; A61P35/00; A61P35/02; A61P43/00; C07D205/04; C07D205/06; C07D401/04; C07D401/06; C07D401/12; C07D401/14; C07D403/04; C07D403/06; C07D403/12; C07D405/12; C07D409/06; C07D409/12; C07D413/12; C07D413/14; C07D417/12; C07D471/04

US Class: 1/1; 514/210.02; 514/210.020P; 514/210.17; 514/210.170S; 514/210.18; 514/210.180P; 514/210.180S; 514/248; 514/252.03; 514/252.05; 514/256; 514/318; 514/403; 514/477; 540/596; 540/596S; 544/111; 544/111S; 544/235; 544/238; 544/238S; 544/242; 544/332; 544/332S; 544/333; 544/359; 544/359S; 544/400; 544/400S; 544/405; 546/121; 546/121S; 546/187; 546/187S; 546/194; 546/208; 546/208S; 546/210; 546/268.1; 546/268.100S; 546/268.4; 546/275.4; 548/314.7; 548/314.700S; 548/518; 548/518S; 548/950; 548/952; 548/952S; 548/953; 548/953S

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36. Family 58803549 (US2016229830 AA)

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Title
[EN] GLUCOSYLCERAMIDE SYNTHASE INHIBITORS FOR THE TREATMENT OF DISEASES

Abstract
[EN] Described herein are compounds of Formula I, methods of making such compounds, pharmaceutical compositions and medicaments containing such compounds, and methods of using such compounds to treat or prevent diseases or conditions associated with the enzyme glucosylceramide synthase (GCS).

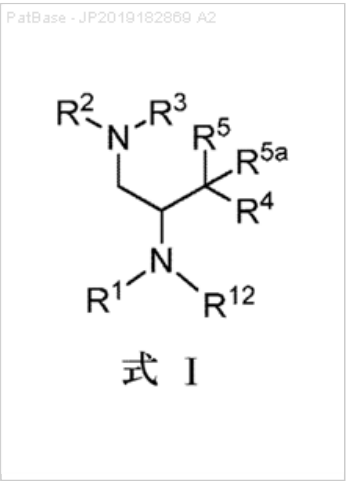
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Cooperative Patent Class: A61P13/12; A61P25/00; A61P29/00; A61P3/04; A61P3/06; A61P3/10; A61P31/00; A61P35/00; A61P5/48; A61P9/10; C07B2200/05; C07B2200/07; C07B59/002; C07D205/04; C07D209/04; C07D211/46; C07D213/46; C07D213/56; C07D213/61; C07D213/64; C07D215/06; C07D231/56; C07D235/06; C07D235/08; C07D265/30; C07D277/22; C07D277/30; C07D277/62; C07D295/12; C07D295/13; C07D305/08; C07D307/79; C07D307/81; C07D309/10; C07D309/12; C07D311/12; C07D311/58; C07D319/18; C07D333/16; C07D333/24; C07D333/60; C07D333/62; C07D405/06; C07D405/12; C07D405/14; C07D407/12; C07D409/12; C07D413/12; C07D417/12; C07D471/04; C07D471/08; C07D487/08; C07D491/056

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Priority Numbers: US20130880752P [20130920]; WO2014US56555 [20140919]; AU20140321397 [20140919]; AU20190203155 [20190506]; CN201480063521 [20140919]; EP20140789439 [20140919]; JP20160515409T [20140919]; JP20190104161 [20190604]; US20140023337 [20140919]; US20190264505 [20190131]; US20160023337 [20160318]

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37. Family 61959153 (US2016090381 AA)

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Title

[EN] METHYL- AND TRIFLUOROMETHYL-SUBSTITUTED PYRROLOPYRIDINE MODULATORS OF RORC2 AND METHODS OF USE THEREOF

Abstract

[EN] The present invention provides methyl- and trifluoromethyl-substituted pyrrolopyridines, pharmaceutical compositions thereof, methods of modulating RORgamma activity and/or reducing the amount of IL-17 in a subject, and methods of treating various medical disorders using such pyrrolopyridines and pharmaceutical compositions thereof.

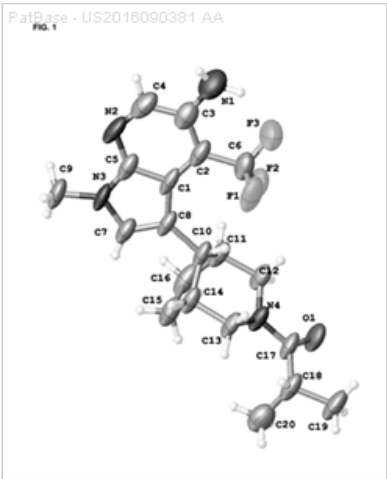
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Cooperative Patent Class: A01K5/0121; A01K7/00; A23K20/00; A23K50/48; A61K31/437; A61K31/454; A61P1/00; A61P1/04; A61P1/12; A61P11/06; A61P17/00; A61P17/06; A61P19/02; A61P19/04; A61P21/04; A61P25/28; A61P29/00; A61P29/02; A61P37/02; A61P37/06; A61P37/08; A61P43/00; A61P7/02; B65D1/34; B65D1/36; B65D25/04; B65D25/18; B65D2577/205; B65D77/2024; B65D85/70; C07D401/14; C07D471/04; A01K29/005; A01K5/00; A01K5/02

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Designated States: AL; AT; BA; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; ME; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

38. Family 60560563 (US2015291607 AA)

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Title
[EN] COMPOUNDS AS MODULATORS OF ROR GAMMA

Abstract
[EN] The present invention encompasses compounds of the formula (I) wherein the variables are defined herein which are suitable for the modulation of RORgamma and the treatment of diseases related to the modulation of RORgamma. The present invention also encompasses processes of making compounds of formula (I) and pharmaceutical preparations containing them.

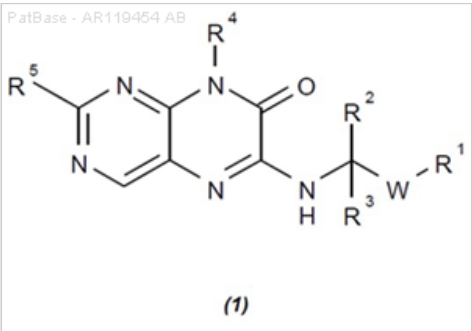
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Cooperative Patent Class: A61K31/33; A61K31/519; A61P1/00; A61P1/04; A61P11/02; A61P11/06; A61P13/12; A61P17/00; A61P17/04; A61P17/06; A61P19/02; A61P19/08; A61P25/00; A61P27/02; A61P29/00; A61P3/10; A61P37/00; A61P37/02; A61P37/06; A61P37/08; A61P9/10; C07D401/14; C07D475/00; C07D475/10; C07D487/04; Y10S514/825; Y10S514/863

US Class: 1/1; 514/249; 544/258

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; MA; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

39. Family 70075359 (US2018162808 AA)

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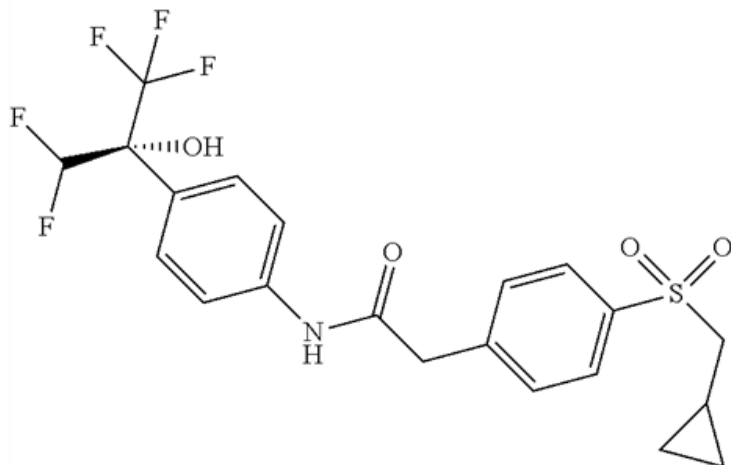
Title

[EN] ROR GAMMA (RORY) MODULATORS

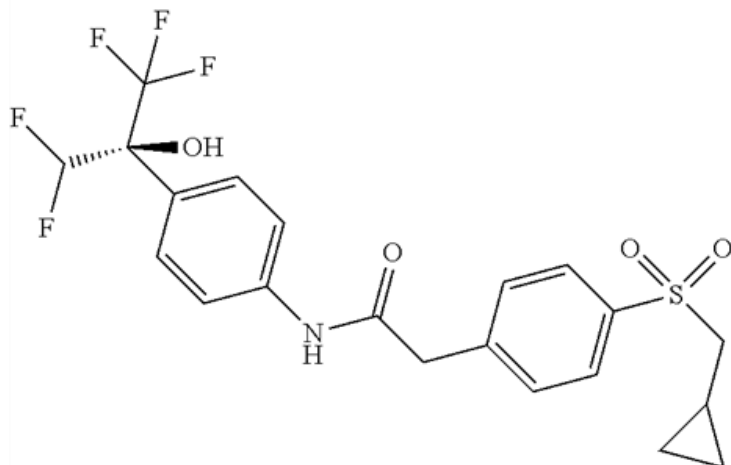
Abstract

[EN] The present application relates to compounds according to (Formula IA) or (Formula IB):

PatBase (Formula IA)



(Formula IB)



-
- or a pharmaceutically acceptable salt thereof.

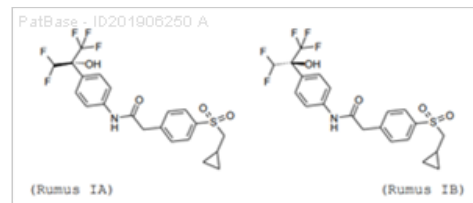
The compounds can be used as inhibitors of RORgamma and are useful for the treatment of RORgamma mediated diseases.

International Class: A61K31/16; C07C317/00; A61K31/10; A61K31/167; C07C317/32; C07C317/44; C07C317/46; A61P37/06; C7C317/32; C7C317/46; A61P1/00; A61P17/00; A61P19/02; A61P25/00; C07C; A61K45/00; C07C315/04; A61P1/04; A61P17/06; A61P29/00; A61P43/00; A61K45/06; C07C317/50; A61P37/00; A61K

Cooperative Patent Class: A61K31/10; A61K31/167; A61K45/00; A61K45/06; A61P1/00; A61P17/00; A61P17/06; A61P19/02; A61P25/00; A61P29/00; C07C2601/02; C07C315/04; C07C317/32; C07C317/44; C07C317/46; C07C317/50; Y02A50/30

US Class: 1/1; 514/618

Family Information



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Priority Numbers: EP20160202175 [20161205]; WO2017EP81489 [20171205]; EP20170826439 [20171205]; US20170829226 [20171201]; US20180225894 [20181219]; US20190710782 [20191211]

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

40. Family 60049861 (US2015225401 AA)

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Title
[EN] CYCLOPROPYLAMINES AS LSD1 INHIBITORS

Abstract

[EN] The present invention is directed to cyclopropylamine derivatives which are LSD1 inhibitors useful in the treatment of diseases such as cancer.

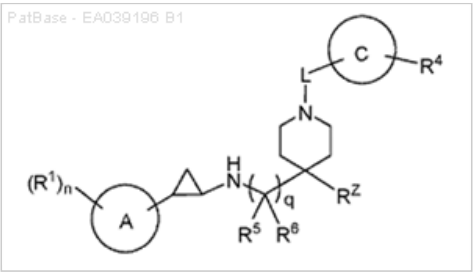
International Class: A61K31/397; A61K31/438; A61K31/4418; A61K31/4427; A61K31/443; A61K31/4545; A61K31/496; A61K31/501; A61K31/506; A61P35/00; C07D205/04; C07D211/16; C07D211/26; C07D401/06; C07D401/12; C07D471/10; A61K31/4439; A61K31/445; A61K31/4468; A61K31/454; A61K31/4465; A61K31/4523; A61K31/4747; A61P31/12; A61P31/20; A61P31/22; A61P35/02; A61P7/06; C07D211/34; C07D211/42; C07D211/46; C07D211/58; C07D211/14; A61K; C07D; A61K31/497; A61K31/435; A61K45/06; A61P43/00; A61P7/00; C07D211/32; C07D401/04; A61K45/00; A61K31/00; C07D205/00; C07D401/00; C07D471/00; C07D211/28; A61K31/455

Cooperative Patent Class: A61K31/397; A61K31/435; A61K31/438; A61K31/4427; A61K31/4439; A61K31/445; A61K31/4468; A61K31/4523; A61K31/454; A61K31/497; A61K31/506; A61K45/06; A61P31/12; A61P35/00; A61P35/02; A61P43/00; A61P7/00; A61P7/06; C07D205/04; C07D211/14; C07D211/16; C07D211/32; C07D211/34; C07D211/58; C07D401/06; C07D401/12; C07D471/10; A61K31/4545; A61K31/496; A61K31/501

US Class: 1/1; 435/184; 514/210.01; 514/210.17; 514/210.18; 514/252.03; 514/274; 514/275; 514/329; 514/330; 514/331; 544/238; 544/316; 544/332; 546/201; 546/208; 546/223; 546/226; 546/235; 548/950; 548/953

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Priority Numbers: US20140939488P [20140213]; US20140061283P [20141008]; WO2015US15706 [20150212]; AU20190210624 [20190801]; AU20150217073 [20150212]; CN201580017095 [20150212]; EP20150706634 [20150212]; EP20190190494 [20150212]; HK20170104691 [20170510]; IN201627030320 [20160906]; JP20160551710T [20150212]; JP20190185892 [20191009]; MX20160010395 [20160810]; US20150620903 [20150212]; US20170497887 [20170426]; US20180195026 [20181119]; US20200897051 [20200609]

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

41. Family 57412697 (US2016060253 AA)

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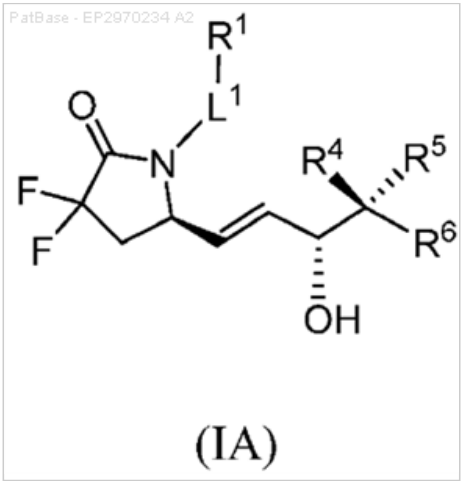
Title
[EN] METHODS OF SYNTHESIZING A DIFLUOROLACTAM ANALOG

Abstract
[EN] The present invention relates to processes and intermediates for preparing compounds of formula (IA), wherein R1, R4, R5, R6, and L1 are as defined herein. Compounds of formula (IA) have been found useful as EP4 receptor agonists useful in the treatment of glaucoma, osteoporosis, neuropathic pain, and related disorders.

International Class: C07C69/63; C07D207/273; C07D333/38; C07D409/06; C07D498/04; C07F9/38; C07F9/40; C07C; C07D; C07F; C07B39/00; A61K31/4015; A61P19/10; A61P25/04; A61P27/06; A61P43/00

Cooperative Patent Class: A61P19/10; A61P25/04; A61P27/06; A61P43/00; C07B39/00; C07D207/273; C07D333/38; C07D409/06; C07D498/04; C07F9/4006

US Class: 1/1; 548/527; 548/551; 558/178



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AU2014229065 BB	20170309	AU20140229065	20140314
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WO14144500 A2	20140918	WO2014US28933	20140314
WO14144500 A3	20150528	WO2014US28933	20140314

Priority Numbers: US20130799334P [20130315]; WO2014US28933 [20140314]; EP20140723569 [20140314]; US20180883724 [20180130]; US20190299916 [20190312]; US20150775591 [20150911]; US20140775591 [20140314]

Probable Patent Assignee: CAYMAN CHEMICAL CO INC

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Inventors: KORNILOV ANDRIY; UZIEBLO ADAM; COLOMBO JOSEPH MICHAEL; GERMAIN BRADLEE DAVID; BARRETT STEPHEN DOUGLAS; KRAMER JAMES BERNARD; STEPHEN DOUGLAS BARRETT; JAMES BERNARD KRAMER; JOSEPH MICHAEL COLOMBO; ADAM UZIEBLO; BRADLEE DAVID GERMAIN; ANDRIY KORNILOV

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Agent(s): SPRUSON AND FERGUSON; CASSAN MACLEAN; CASSAN MACLEAN IP AGENCY INC; D YOUNG AND CO LLP; LETTERS AND THOO LTD; REINHOLD COHN AND PARTNERS; KOBAYASHI YASUSHI; ONO SHINJIRO; TAKEUCHI SHIGEO; YAMAGUCHI AKIKO; YAMAMOTO OSAMU; BARNES AND THORNBURG LLP; BARNES AND THORNBURG LLP; MARSHALL RYAN L; BRINKS GILSON AND LIONE; CARROLL WILLIAM A

Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

42. Family 54417510 (US2013197037 AA)

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Title

[EN] APOPTOSIS SIGNAL-REGULATING KINASE INHIBITOR

Abstract

[EN] The present invention relates to a compound of formula (I): The compound has apoptosis signal-regulating kinase ("ASK1") inhibitory activity, and is thus useful in the treatment of diseases such as kidney disease, diabetic nephropathy and kidney fibrosis.

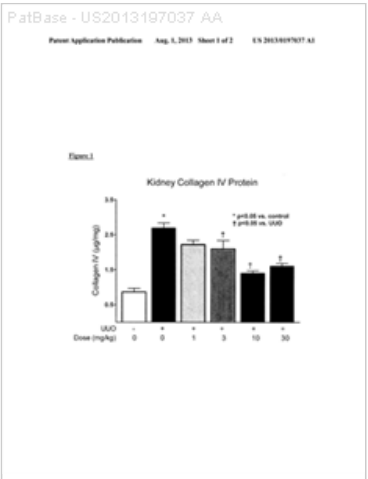
International Class: A61K31/4164; A61K31/4436; A61P31/12; C07D233/56; C07D401/04; C07D401/14; A61K31/4178; A61K31/4196; A61K31/4427; A61P11/00; A61P13/12; A61P9/00; A61K31/00; A61K31/166; A61K31/44; A61P1/16; C07D213/04; C07D233/54; A61K31/4439; A61P19/04; A61P3/10; C07D213/56; A61K; A61P; C07D; A61P43/00; C07D213/75; C07D233/64; C07D249/08; D04B1/24; A61P31/00; C07D233/00; C07D401/00; C07D233/60; A61K9/20; A61K45/06; A61K9/00; C07D213/127

Cooperative Patent Class: A61K31/4164; A61K31/4436; A61K31/4439; A61K45/06; A61K9/0053; A61K9/20; A61P1/16; A61P11/00; A61P13/12; A61P19/04; A61P3/10; A61P31/00; A61P31/12; A61P43/00; A61P9/00; C07D213/56; C07D233/56; C07D401/04; C07D401/14

US Class: 1/1; 514/341; 546/272.4; 546/340

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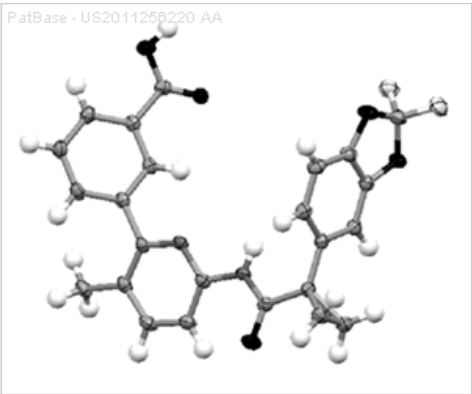
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Title

[EN] PHARMACEUTICAL COMPOSITIONS OF 3-(6-(1-(2,2-DIFLUOROBENZO[D][1,3]DIOXOL-5-YL)CYCLOPROPANECARBOXAMIDO)-3-METHYLPYRIDIN-2-YL)BENZOIC ACID AND ADMINISTRATION THEREOF

Abstract

[EN] A pharmaceutical composition comprising Compound 1, (3-(6-(1-(2,2-difluorobenzo[d][1,3]dioxol-5-yl)cyclopropanecarboxamido)-3-methylpyridin-2-yl)benzoic acid), and at least one excipient selected from: a filler, a diluent, a disintegrant, a surfactant, a binder, a glidant and a lubricant, the composition being suitable for oral administration to a patient in need thereof to treat a CFTR mediated disease such as Cystic Fibrosis. Methods for treating a patient in need thereof include administering an oral pharmaceutical formulation of Compound 1 to the patient.



FDA Data

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206038	IVACAFTOR; LUMACAFTOR	ORKAMBI	VERTEX PHARMS INC	20150702
206038	IVACAFTOR; LUMACAFTOR	ORKAMBI	VERTEX PHARMS INC	20160928

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Cooperative Patent Class: A61K31/443; A61K31/47; A61K45/06; A61P1/10; A61P1/16; A61P1/18; A61P11/00; A61P11/02; A61P11/06; A61P13/00; A61P13/12; A61P15/08; A61P19/00; A61P19/04; A61P19/08; A61P19/10; A61P21/00; A61P21/04; A61P25/00; A61P25/08; A61P25/14; A61P25/16; A61P25/18; A61P25/22; A61P25/28; A61P27/02; A61P27/04; A61P29/00; A61P3/00; A61P3/06; A61P3/10; A61P3/12; A61P35/00; A61P43/00; A61P5/14; A61P5/18; A61P5/48; A61P7/00; A61P7/04; A61P7/10; A61P9/10; C07B2200/13; C07D213/75; C07D405/12; C07D405/14; C07D407/12; Y10T428/2982; A61K9/0053; A61K9/141; A61K9/1623; A61K9/1652; A61K9/1682; A61K9/2009; A61K9/2013; A61K9/2027; A61K9/2054; A61K9/2077; A61K9/2095; A61K9/28; A61K9/2866; A61P13/02; A61P15/00; A61P15/10; A61P21/02; A61P25/02; A61P37/02; A61P7/12; A61P9/00; C07D451/02; A61K2300/00

US Class: 1/1; 264/115; 424/400; 424/465; 424/465P; 424/489; 428/402; 514/312; 514/337; 514/338; 514/338S; 514/352; 514/769; 514/769S; 514/772.7; 514/772.700S; 514/781; 514/781S; 546/283.7; 546/283.700S

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Priority Numbers: US20100321729P [20100407]; US20100321748P [20100407]; US20100366562P [20100722]; WO2011US31588 [20110407]; WO2011US31519 [20110407]; AU20110237601 [20110407]; AU20150205839 [20150721]; AU20110237494 [20110407]; AU20150221470 [20150902]; AU20160213697 [20160808]; BR20121126255 [20110407]; CN201180028291 [20110407]; CN201180027960 [20110407]; EP20110715637 [20110407]; EP20110714625 [20110407]; EP20160185289 [20110407]; JP20130503954T [20110407]; JP20160001108 [20160106]; JP20130503939T [20110407]; JP20160005254 [20160114]; JP20160005254 [20110407]; JP20170234962 [20171207]; NZ20110602838 [20110407]; US20140542396 [20141114]; US20130031360 [20130919]; US20110081750 [20110407]; US20160001036 [20160119]; US20180050029 [20180731]; US20190530240 [20190802]; US20110082156 [20110407]; US20120646007 [20121005]; US20120646130 [20121005]; US20130940361 [20130712]; US20140250009 [20140410]; US20150601608 [20150121]; US20210333478 [20210528]

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PE; PG; PH; RU; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

44. Family 56254634 (US2015210668 AA)

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Title

[EN] NOVEL PROCESS FOR MAKING COMPOUNDS FOR USE IN THE TREATMENT OF CANCER

Abstract

[EN] Disclosed herein is a process of making a compound of formula I The compound of formula I is an inhibitor of MEK and thus can be used to treat cancer.

International Class: C07D401/04; C07D498/04; A61P35/00; C07D; A61P; A61K31/4523; A61P43/00; A61K31/397; C07D401/00; C07D498/00; C07D471/04

Cooperative Patent Class: A61P35/00; A61P43/00; C07D401/04; C07D498/04; Y02P20/55

US Class: 1/1; 546/115; 546/208



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Priority Numbers: US20120713104P [20121012]; WO2013US64866 [20131014]; CL20150000926 [20150413]; CN201380064338 [20131014]; EP20130780303 [20131014]; JP20150536988T [20131014]; JP20170234208 [20171206]; MX20150004660 [20150410]; US20170686333 [20170825]; US20150684826 [20150413]; US20190271215 [20190208]; US20200003570 [20200826]

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

45. Family 62233081 (US2016122336 AA)

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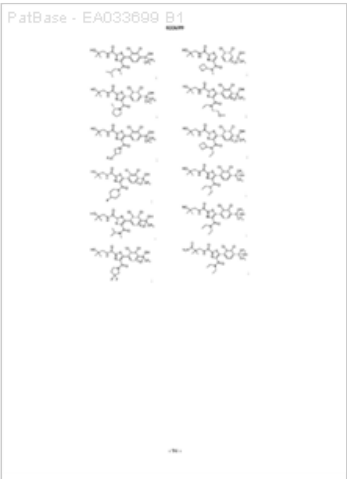
Title
[EN] TRIFLUOROMETHYL ALCOHOLS AS MODULATORS OF RORYT

Abstract
[EN] The present invention comprises compounds of Formula I. wherein: X, A1, A2, A3, A4, R1, R2, and R3 are defined in the specification. The invention also comprises a method of treating or ameliorating a syndrome, disorder or disease, wherein said syndrome, disorder or disease is rheumatoid arthritis or psoriasis. The invention also comprises a method of modulating RORgammat activity in a mammal by administration of a therapeutically effective amount of at least one compound of claim 1.

International Class: A61K31/425; A61K31/427; A61P1/04; A61P1/12; A61P11/00; A61P11/02; A61P17/06; A61P19/02; A61P37/00; C07D277/56; C07D413/14; C07D417/06; C07D417/14; C07D487/08; C07D495/10; A61P3/10; A61K31/454; A61K31/4545; A61K31/4709; A61K31/496; A61K31/497; A61P11/06; A61P37/06; C07D417/12; A61K31/426; A61K31/4439; A61K31/541; A61K31/47; A61K45/06; A61K; A61P; C07D; A61K45/00; A61P19/00; A61P25/00; A61P29/00; A61P37/02; A61P43/00; C12Q1/02; C12Q1/66; A61K31/00; A61P17/00; A61P3/00; C07D277/00; C07D417/00; C07D487/00; A61K31/44; C07D277/32; C07D417/02; C07D417/04; A61K31/4523; C07D207/06

Cooperative Patent Class: A61K31/426; A61K31/427; A61K31/4439; A61K31/454; A61K31/4709; A61K31/541; A61K45/06; A61P1/04; A61P1/12; A61P11/00; A61P11/02; A61P11/06; A61P17/00; A61P17/06; A61P19/00; A61P19/02; A61P25/00; A61P29/00; A61P3/00; A61P3/10; A61P37/00; A61P37/02; A61P37/06; A61P43/00; C07D277/56; C07D417/06; C07D417/14; C07D487/08; C07D495/10

US Class: 1/1; 514/210.18; 514/227.8; 514/314; 514/323; 514/326; 514/342; 514/365; 544/58.2; 546/15; 546/167; 546/200; 546/209; 546/270.4; 548/200



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Priority Numbers: US20140072563P [20141030]; WO2015US58193 [20151030]; AU20150339087 [20151030]; AU20190200228 [20190114]; BR20171108816 [20151030]; CN201580071983 [20151030]; EP20150802227 [20151030]; EP20180160676 [20151030]; HK20180102103 [20180209]; IN201727017691 [20170519]; JP20170523358T [20151030]; JP20180200608 [20181025]; JP20200104927 [20200618]; US20150927499 [20151030]; US20170664673 [20170731]

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Assignees: JANSSEN PHARMACEUTICA NV; JANSSEN PHARMACEUTICA N V; JANSSEN PHARMACEUTICA NV; JANSSEN PHARMACEUTICA

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Inventors: HOFFMANN THOMAS; STEENECK CHRISTOPH; GEGE CHRISTIAN; XUE XIAOHUA; KINZEL OLAF; KLEYMANN GERALD; FOURIE ANNE M; TANIS VIRGINIA; VENKATESAN HARIHARAN; GOLDBERG STEVEN; FOURIE ANNE; HARIHARAN VENKATESAN; VIRGINIA TANIS; OLAF KINZEL; CHRISTIAN GEGE; CHRISTOPH STEENECK; GERALD KLEYMANN; THOMAS HOFFMAN; STEVEN GOLDBERG; ANNE M FOURIE; XIAOHUA XUE; GOLBERG STEVEN; VENKATESAN; HARIHARAN; A M FOURIE; THOMAS HOFFMANN; XUE XIOHUA; GENERAL MOTORS LLC; UNOX S P A; CHAY CATHERINE A; YIN YONG; KIDILIZ GROUP; MILLIGAN JASON S; HOFFMANND THOMAS

Non Std Inventors: VENKATESAN HARIHARAN SAN DIEGO; TANIS VIRGINIA SAN DIEGO; GOLDBERG STEVEN SAN DIEGO; FOURIE ANNE M SAN DIEGO; XUE XIAOHUA SAN DIEGO; UNOX SPA; 1 HARIHARAN VENKATESAN; 2 VIRGINIA TANIS; 3 OLAF KINZEL; 4 CHRISTIAN GEGE; 5 CHRISTOPH STEENECK; 6 GERALD KLEYMANN; 7 THOMAS HOFFMANN; 8 STEVEN GOLDBERG; 9 ANNE M FOURIE; 10 XIAOHUA XUE; ANNE M

Agent(s): SHELSTON IP PTY LTD; SPRUSON AND FERGUSON; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; SARGENT AND KRAHN; SARGENT U0026 KRAHN; CAROLINA MERCEDES DAZA MONTALVO; MUELLER BORE AND PARTNER PATENTANWALTE PARTG MBB; CARPMAELS AND RANSFORD LLP; MCGUIRE GILLIAN MARGARET; CARPMAELS AND RANSFORD LLP; IZQUIERDO BLANCO MARIA ALICIA; MARIA ALICIA IZQUIERDO BLANCO; DEACONS; DR TOETI HERATY N ROOSSENS; PROF DR TOETI HERATY N ROOSSENS; REINHOLD COHN AND PARTNERS; KATAYAMA EIJI; KOBAYASHI HIROSHI; KOBAYASHI SUMIKO; OHMORI NORIO; HECTOR ELIAS CHAGOYA CORTES; ROSA ELENA NURIA BECERRIL CORTES; DREW AND NAPIER LLC; FULYA SUEMERALP; STERCHO YURIY P; YURIY P; PLANTZ BERNARD F ET AL

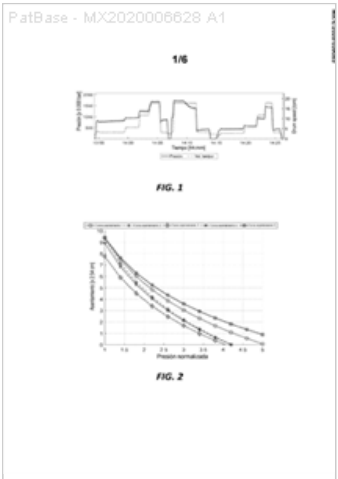
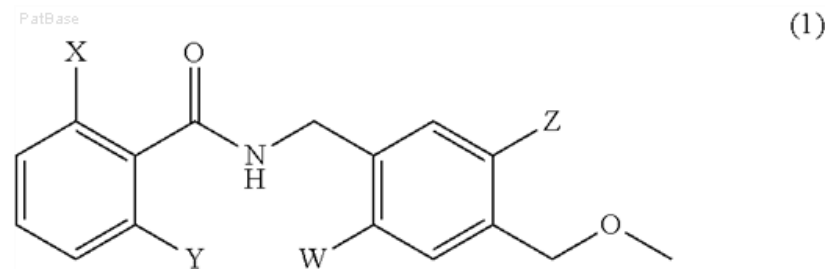
Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

46. Family 75287087 (US2019231720 AA)

[View in PatBase](#)

Title
[EN] ALDH2 ACTIVATOR

Abstract
[EN] The present invention provides a compound represented by formula (1):



or pharmaceutically acceptable salt thereof, wherein

- X and Y are the same or different from each other and represent a hydrogen atom, a halogen atom, a C₁₋₆ alkyl group, or a C₁₋₆ alkoxy group, wherein the C₁₋₆ alkoxy group may be substituted with a C₁₋₆ alkoxy group, and
- Z and W are the same or different from each other and represent a hydrogen atom, a halogen atom, or a C₁₋₆ alkyl group.

International Class: A61K31/166; A61P17/02; A61P19/10; A61P29/00; A61P43/00; A61P7/06; C07C233/73; C07C235/60; A61P25/02

Cooperative Patent Class: A61K31/166; A61P19/10; A61P29/00; A61P7/06; C07C233/73; C07C235/60

Family Information

Patent Number	Publication Date	Application Number	Application Date
AU2019214670 AA	20200709	AU20190214670	20190129
BR112020014237 A2	20201208	BR20201114237	20190129
CA3085992 AA	20200616	CA20193085992	20190129
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IL275883 AA	20200831	IL20190275883	20190129
IN202047028321 A	20200807	IN202047028321	20200703
JP2019151241 A1	20210128	JP20190569127T	20190129
KR20200115474 A	20201007	KR20207017801	20190129
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US2019231720 AA	20190801	US20190260350	20190129
WO19151241 A1	20190808	WO2019JP02955	20190129

Priority Numbers: JP20180015512 [20180131]; WO2019JP02955 [20190129]

Probable Patent Assignee: EISAI R AND D MANAGEMENT CO LTD

Assignees: EISAI R AND D MANAGEMENT CO LTD; EISAI R AND D MAN CO LTD

Non Std Assignees: EISAI R AND D MANAGEMENT CO; TANAKA KEIGO; ISHIDA TASUKU; MIYANO MASAYUKI; SHINKYO RAKU; EISAI RAND D MANAGEMENT CO LTD

Inventors: SHINKYO RAKU; ISHIDA TASUKU; TANAKA KEIGO; MIYANO MASAYUKI; KEIGO TANAKA; TASUKU ISHIDA; MASAYUKI MIYANO; RAKU SHINKYO

Agent(s): DAVIES COLLISON CAVE PTY LTD; TORYS LLP; HOFFMANN EITLE; LUZZATTO AND LUZZATTO; FRANCISCO JAVIER UHTHOFF ORIVE; FISH AND RICHARDSON PC; FISH AND RICHARDSON PC; HASEGAWA YOSHIKI ET AL; SOEI PATENT AND LAW FIRM

Designated States: AL; AT; BA; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; ME; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF;

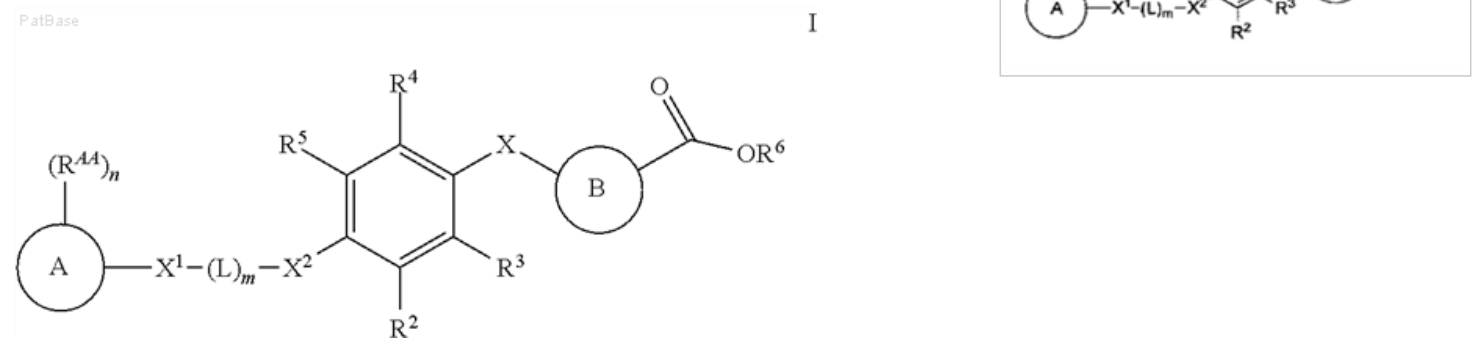
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47. Family 65086709 (US2018230079 AA)

[View in PatBase](#)

Title
[EN] THERAPEUTIC COMPOUNDS AND METHODS OF USE THEREOF

Abstract
[EN] The invention provides compounds having the general formula I:



and pharmaceutically acceptable salts thereof, wherein the variables R^{AA}, n, ring A, X¹, L, m, X², R², R³, R⁴, R⁵, X, and R⁶ have the meaning as described herein, and compositions containing such compounds and methods for using such compounds and compositions.

International Class: A61K31/192; C07C61/20; C07C62/20; C07C62/22; C07C69/74; A61K31/196; A61P1/12; A61P11/00; A61P17/04; A61P21/04; A61P25/00; A61P25/06; A61P25/08; A61P25/18; A61P25/22; A61P25/24; A61P29/00; A61P35/00; A61P43/00; A61P9/00; A61P9/06; A61P9/10; C07C229/48; C07C317/44; C07C323/62; C07C62/12; C07C62/38; C07C69/757; C07C313/04; C07C323/61; C07C62/34; C07D211/22

Cooperative Patent Class: A61P17/04; A61P25/00; A61P29/00; C07C229/48; C07C2601/02; C07C2601/04; C07C2601/08; C07C2601/14; C07C2603/74; C07C313/04; C07C317/44; C07C323/61; C07C62/34; C07C62/38; C07C69/757; C07D211/22

US Class: 1/1; 514/317

Family Information

Patent Number	Publication Date	Application Number	Application Date
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EP3341353 A1	20180704	EP20160758364	20160824
JP2018526371 T2	20180913	JP20180510720T	20160824
MA42683 A	20180704	MA20160042683	20160824
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US2020087239 AA	20200319	US20190685335	20191115
US2022055977 AA	20220224	US20210396283	20210806
WO17035271 A1	20170302	WO2016US48477	20160824

Priority Numbers: US20150210891P [20150827]; WO2016US48477 [20160824]; US20180896970 [20180214]; US20190685335 [20191115]; US20210396283 [20210806]

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Assignees: XENON PHARMACEUTICALS INC; GENENTECH INC

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Agent(s): BAILEY SAM ROGERSON; MEWBURN ELLIS LLP; VIKSNINS HARRIS PADYS MALEN LLP; VIKSNINS HARRIS PADYS MALEN LLP; HARRIS ROBERT J ET AL

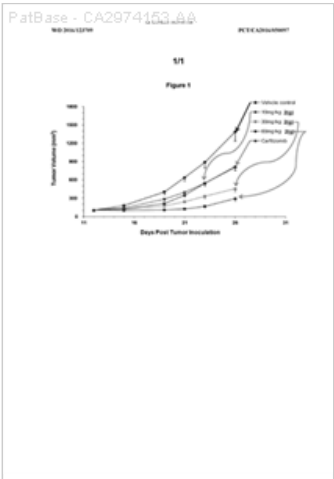
Designated States: AL; AT; BA; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; ME; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

48. Family 63121644 (US2018016227 AA)

[View in PatBase](#)

Title
[EN] PROCESS FOR THE SYNTHESIS OF DIFLUOROMETHYL ETHER-BASED COMPOUNDS

Abstract
[EN] The present application relates to a novel process for the preparation of difluoromethyl ether-based derivatives from, for example, aliphatic and aromatic hydroxyl precursors, compositions comprising these compounds and their use, in particular as precursors for medicines for the treatment of diseases, disorders or conditions. In particular, the present application includes the process of preparing compounds of Formula (I), and compositions and uses thereof:



International Class: A61K31/4745; A61K51/04; A61P35/00; C07D471/04; A61K31/437; A61K31/496; A61K31/5377; A61K45/06; C07C269/06; C07C303/30; C07C327/06; C07D205/04; C07D207/08; C07D207/12; C07D211/22; C07D211/46; C07D265/30; C07D317/22; C07C271/10; C07C309/73; C07C41/01; C07C43/02; C07D207/04; C07D211/06

Cooperative Patent Class: A61K31/437; A61K31/4745; A61K31/496; A61K31/5377; A61K45/06; A61K51/0455; A61P35/00; C07D471/04; A61K2300/00; C07C269/06; C07C303/30; C07C327/06; C07C41/16; C07D205/04; C07D207/08; C07D207/12; C07D211/22; C07D211/44; C07D211/46; C07D265/30; C07D265/32; C07D317/22

US Class: 1/1; 514/293; 544/172

Family Information

Patent Number	Publication Date	Application Number	Application Date
CA2974153 AA	20170718	CA20162974153	20160203
DE602016064020 D1	20211014	DE201660064020T	20160203
EP3253756 A1	20171213	EP20160746035	20160203
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US10259809 BB	20190416	US20160546324	20160203
US10696670 BB	20200630	US20190298762	20190311
US2018016227 AA	20180118	US20160544939	20160203
US2018016271 AA	20180118	US20160546324	20160203
US2019202825 AA	20190704	US20190298762	20190311
WO16123707 A1	20160811	WO2016CA50095	20160203
WO16123709 A1	20160811	WO2016CA50097	20160203

Priority Numbers: US20150111251P [20150203]; WO2016CA50097 [20160203]; EP20160746035 [20160203]; US20160546324 [20160203]; US20170546324 [20170726]; US20190298762 [20190311]; US20150114760P [20150211]; WO2016CA50095 [20160203]; US20160544939 [20160203]

Probable Patent Assignee: TRILLIUM THERAPEUTICS INC

Assignees: TRILLIUM THERAPEUTICS INC

Non Std Assignees: SLASSI ABDELMALIK; DOVE PETER; FLUORINOV PHARMA INC

Inventors: DOVE PETER; SLASSI ABDELMALIK

Agent(s): BERESKIN AND PARR LLP SENCRL SRL; HGF LTD; HGF; FOLKINS PATRICIA

Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG;

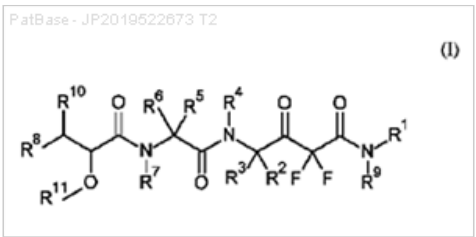
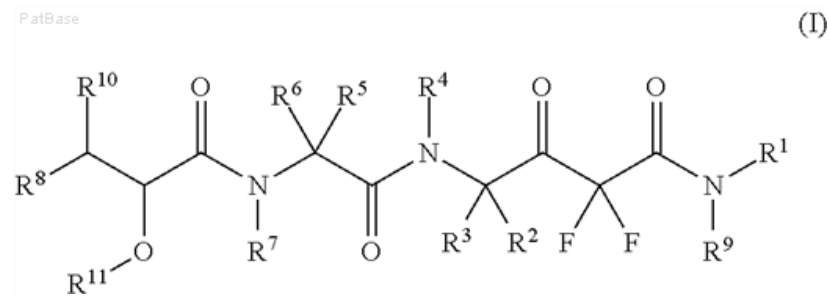
PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM;
ZW

49. Family 68348459 (US2019152895 AA)

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Title
[EN] NEW DIFLUOROKETAMIDE DERIVATIVES AS HTRAL INHIBITORS

Abstract
[EN] The invention provides novel compounds having the general formula (I)



wherein R¹, R², R³, R⁴, R⁵, R⁶, R⁷, R⁸, R⁹, R¹⁰ and R¹¹ are as described herein, compositions including the compounds and methods of using the compounds.

International Class: A61K31/16; A61K31/275; A61K31/44; A61K31/5375; A61P27/02; C07C237/22; C07C255/54; C07D213/65; C07D295/13; A61K; A61P; C07C; C07D; A61K31/165; A61P13/12; A61P43/00; C07C231/02; C07C237/20

Cooperative Patent Class: A61P13/12; A61P27/02; A61P43/00; C07C237/22; C07C255/54; C07D213/65; C07D295/13

US Class: 1/1

Family Information

Patent Number	Publication Date	Application Number	Application Date
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DE602017046047 D1	20211007	DE201760046047T	20170712
EP3484859 A1	20190522	EP20170736967	20170712
EP3484859 B1	20210915	EP20170736967	20170712
HK40003361 A1	20200409	HK20190126778	20190715
JP2019522673 T2	20190815	JP20190502161T	20170712
US10865182 BB	20201215	US20190250905	20190117
US2019152895 AA	20190523	US20190250905	20190117
WO18015240 A1	20180125	WO2017EP67519	20170712

Priority Numbers: EP20160180013 [20160718]; WO2017EP67519 [20170712]; EP20170736967 [20170712]; US20190250905 [20190117]

Probable Patent Assignee: HOFFMANN LA ROCHE INC

Assignees: HOFFMANN LA ROCHE; F HOFFMANN LA ROCHE AG; HOFFMANN LA ROCHE INC

Inventors: REUTLINGER MICHAEL; HORNSPERGER BENOIT; MAERKI HANS P; RUDOLPH MARKUS; MOHR PETER

Agent(s): LEDERER AND KELLER PATENTANWALTE PARTNERSCHAFT MBB; BERNARD GUILLAUME; F HOFFMANN LA ROCHE AG; MARKS AND CLERK; TSUKUNI AND ASSOCIATES; DAVIS BRADLEY E

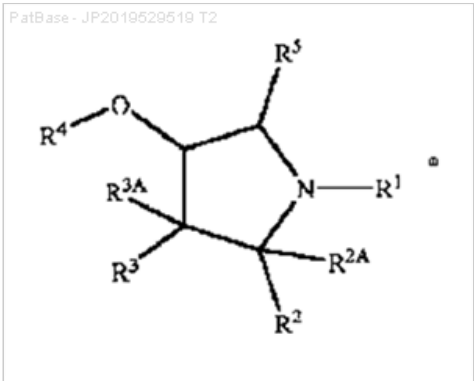
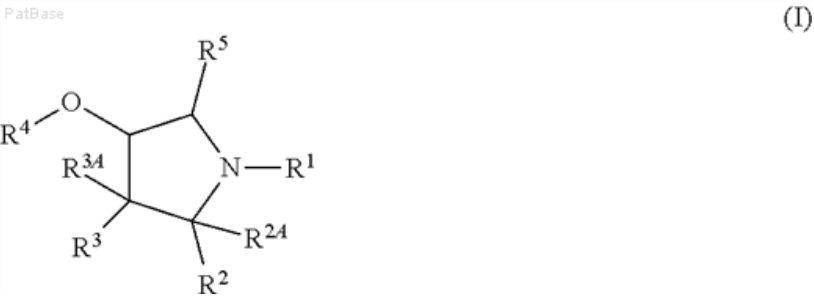
Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; MA; MD; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

50. Family 69192567 (US2018099932 AA)

[View in PatBase](#)

Title
[EN] SUBSTITUTED PYRROLIDINES AND METHODS OF USE

Abstract
[EN] The invention discloses compounds of Formula (I)



wherein R¹, R², R^{2A}, R³, R^{3A}, R⁴, and R⁵ are as defined herein. The present invention relates to compounds and their use in the treatment of cystic fibrosis, methods for their production, pharmaceutical compositions comprising the same, and methods of treating cystic fibrosis by administering a compound of the invention.

International Class: A61K31/40; A61K31/4439; A61K31/506; A61P11/00; C07D207/16; C07D401/12; C07D403/12; A61K31/4025; C07D401/04; C07D401/14; C07D405/14; A61K31/444; A61K31/47; C07D207/12; A61K31/4709; A61K45/06; A61K31/454; A61K31/4545; C07D207/48

Cooperative Patent Class: A61K31/40; A61K31/4439; A61K31/4709; A61K31/506; A61K45/06; A61P11/00; C07D207/16; C07D401/12; C07D401/14; C07D403/12; C07D405/14

US Class: 1/1; 514/210.2

Family Information

Patent Number	Publication Date	Application Number	Application Date
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AU2017339839 AA	20190502	AU20170339839	20171004
BR112019007038 A2	20191105	BR20191107038	20171004
CA3039647 AA	20190405	CA20173039647	20171004
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EP3523277 A1	20190814	EP20170794414	20171004
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TW201823202 A	20180701	TW20170134616	20171006
US10399940 BB	20190903	US20170723896	20171003
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UY37435 A1	20180531	UY20170037435	20171009
WO18065921 A1	20180412	WO2017IB56126	20171004

Priority Numbers: US20160405562P [20161007]; WO2017IB56126 [20171004]; EP20170794414 [20171004]; US20170723896 [20171003]; US20190442023 [20190614]

Probable Patent Assignee: GALAPAGOS NV

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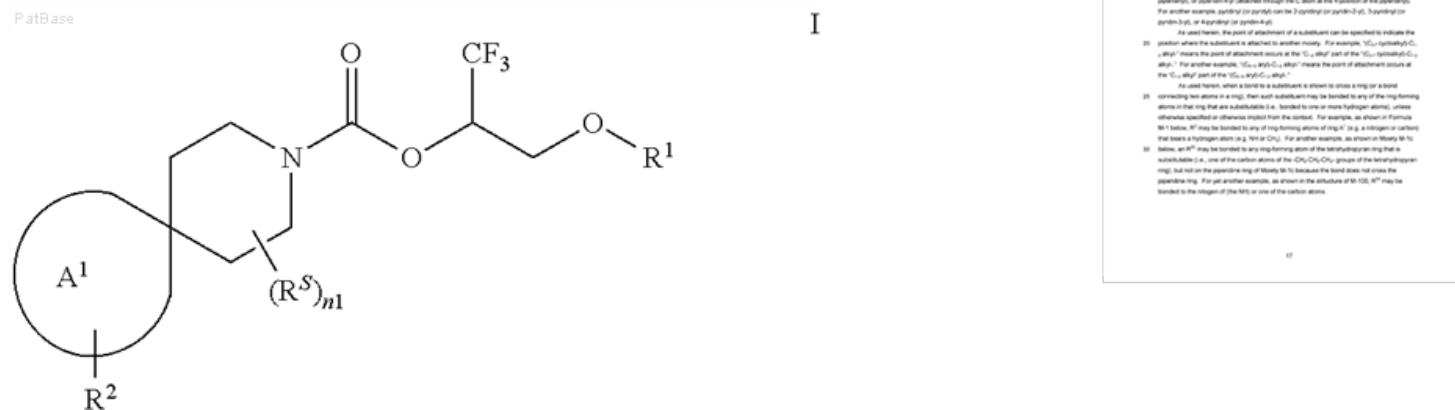
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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

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[EN] 1,1,1-TRIFLUORO-3-HYDROXYPROPAN-2-YL CARBAMATE DERIVATIVES AS MAGL INHIBITORS

[EN] The present invention provides, in part, compounds of Formula I:



and pharmaceutically acceptable salts thereof; processes for the preparation of; intermediates used in the preparation of; and compositions containing such compounds or salts, and their uses for treating MAGL-mediated diseases and disorders including, e.g., pain, an inflammatory disorder, depression, anxiety, Alzheimer's disease, a metabolic disorder, stroke, or cancer.

International Class: A61K31/4747; A61P35/00; C07D295/185; C07D401/08; C07D401/12; C07D491/10; C07D; A61K31/438; A61K31/444; A61P1/00; A61P1/08; A61P1/16; A61P11/00; A61P11/02; A61P11/06; A61P13/08; A61P13/10; A61P13/12; A61P17/00; A61P17/02; A61P17/04; A61P17/06; A61P19/02; A61P19/10; A61P21/02; A61P25/00; A61P25/02; A61P25/04; A61P25/08; A61P25/14; A61P25/16; A61P25/18; A61P25/20; A61P25/22; A61P25/24; A61P25/28; A61P25/32; A61P25/34; A61P25/36; A61P27/02; A61P27/06; A61P27/16; A61P29/00; A61P3/04; A61P3/06; A61P35/02; A61P37/06; A61P37/08; A61P43/00; A61P7/06; A61P9/00; A61P9/06; A61P9/10; A61P9/12; C07D221/20; C07D491/107; A61K31/4355; C07D513/10; A61K31/454; A61K31/4545

Cooperative Patent Class: A61K31/4355; A61K31/438; A61K31/4747; A61P1/00; A61P1/08; A61P1/16; A61P11/00; A61P11/02; A61P11/06; A61P13/08; A61P13/10; A61P13/12; A61P17/00; A61P17/02; A61P17/04; A61P17/06; A61P19/02; A61P19/10; A61P21/02; A61P25/00; A61P25/02; A61P25/04; A61P25/08; A61P25/14; A61P25/16; A61P25/18; A61P25/20; A61P25/22; A61P25/24; A61P25/28; A61P25/32; A61P25/34; A61P25/36; A61P27/02; A61P27/06; A61P27/16; A61P29/00; A61P3/04; A61P3/06; A61P35/00; A61P35/02; A61P37/06; A61P37/08; A61P43/00; A61P47/06; A61P9/00; A61P9/06; A61P9/10; A61P9/12; C07D221/20; C07D295/185; C07D401/08; C07D401/12; C07D491/10; C07D513/10

US Class: 1/1: 514/278

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Priority Numbers: US20170448498P [20170120]; WO2018IB50103 [20180108]; US20180874987 [20180119]; US20190420544 [20190523]

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Designated States: AL; AT; BA; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; ME; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

52. Family 64814672 (US2017029390 AA)

[View in PatBase](#)

Title

[EN] 1,1,1-TRIFLUORO-3-HYDROXYPROPAN-2-YL CARBAMATE DERIVATIVES AND 1,1,1-TRIFLUORO-4-HYDROXYBUTAN-2-YL CARBAMATE DERIVATIVES AS MAGL INHIBITORS

Abstract

[EN] and pharmaceutically acceptable salts thereof; processes for the preparation of; intermediates used in the preparation of; and compositions containing such compounds or salts, and their uses for treating MAGL-mediated diseases and disorders including, e.g., pain, an inflammatory disorder, traumatic brain injury, depression, anxiety, Alzheimer's disease, a metabolic disorder, stroke, or cancer.

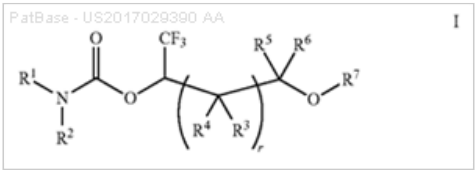
International Class: A61K31/4155; A61K31/438; A61K31/4439; A61K31/444; A61K31/454; A61K31/4725; A61K31/495; A61K31/5386; A61K31/547; A61P1/08; A61P13/12; A61P25/00; A61P3/00; A61P35/00; A61P37/00; A61P9/00; C07D211/60; C07D401/04; C07D401/12; C07D401/14; C07D403/04; C07D405/12; C07D405/14; C07D471/08; C07D471/10; C07D487/04; C07D491/107; C07D498/10; C07D515/10; C07D519/00; C07D413/14; C07D493/10; A61K31/675; C07D211/48; C07D295/185; C07D487/08; C07D295/14; C07F9/6561; C07D; A61K31/407; A61K31/4178; A61K31/445; A61K31/453; A61K31/4545; A61K31/4995; A61K31/506; A61K31/5377; A61K31/5415; A61P1/16; A61P11/00; A61P13/02; A61P13/10; A61P17/00; A61P17/02; A61P17/10; A61P19/00; A61P19/02; A61P19/06; A61P19/10; A61P21/02; A61P25/02; A61P25/04; A61P25/06; A61P25/14; A61P25/16; A61P25/18; A61P25/20; A61P25/24; A61P25/28; A61P25/30; A61P27/02; A61P27/06; A61P27/14; A61P29/00; A61P3/04; A61P31/12; A61P35/02; A61P37/06; A61P37/08; A61P43/00; A61P7/00; A61P7/06; A61P9/06; A61P9/10; A61P9/12; C07D211/28; C07D295/205; A61K31/6615; A61P27/16; A61P31/18

Cooperative Patent Class: A61K31/4439; A61P1/08; A61P1/16; A61P11/00; A61P11/06; A61P13/02; A61P13/10; A61P13/12; A61P17/00; A61P17/02; A61P17/10; A61P19/00; A61P19/02; A61P19/06; A61P19/10; A61P21/02; A61P25/00; A61P25/02; A61P25/04; A61P25/06; A61P25/14; A61P25/16; A61P25/18; A61P25/20; A61P25/24; A61P25/28; A61P25/30; A61P27/02; A61P27/06; A61P27/14; A61P29/00; A61P3/00; A61P3/04; A61P31/12; A61P35/00; A61P35/02; A61P37/06; A61P37/08; A61P43/00; A61P7/00; A61P7/06; A61P9/00; A61P9/06; A61P9/10; A61P9/12; C07D211/48; C07D295/14; C07D401/04; C07D401/12; C07D401/14; C07D403/04; C07D405/12; C07D405/14; C07D413/14; C07D471/08; C07D471/10; C07D487/04; C07D491/107; C07D493/10; C07D498/10; C07D515/10; C07F9/6561

US Class: 1/1; 514/235.5

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Priority Numbers: US20150199330P [20150731]; US20160335290P [20160512]; WO2016IB54266 [20160718]; EP20160741698 [20160718]; US20160221658 [20160728]; US20170808242 [20171109]; US20190547037 [20190821]

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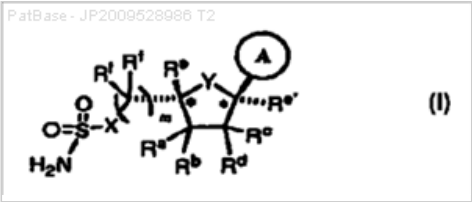
Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

53. Family 35072118 (US2007191293 AA)

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Title
[EN] INHIBITORS OF E1 ACTIVATING ENZYMES

Abstract
[EN] This invention relates to compounds that inhibit E 1 activating enzymes, pharmaceutical compositions comprising the compounds, and methods of using the compounds. The compounds are useful for treating disorders, particularly cell proliferation disorders, including cancers, inflammatory and neurodegenerative disorders; and inflammation associated with infection and cachexia.



International Class: A61K31/519; A61K31/52; A61K31/7064; A61K31/7076; A61P35/00; C07D471/00; C07D471/04; C07D473/00; C07D473/34; C07H19/00; C07H19/14; C07H19/16; A61K31/7042; A61P35/02; C07D487/04; C07H19/173; C07C35/06; C07D303/14; C07D403/04; C07D405/14; C07D493/04; C07D519/00; A61K; A61P; C07D; C07H; C07D263/14; A61P37/00; A61P37/02; A61P43/00; A61P9/00; A61P9/14; C07C35/00; C07D303/00; C07D303/06; C07D487/00; C07D493/00; C07F7/18; C12N9/99; A61K31/522; A61K31/706; A61K45/00; A61P25/28; A61P29/00; A61P31/00; C07C33/12; C07F7/08; C07F7/10; A61K31/437; A61K31/00; C07H19/04; A61K31/4738; A61K31/4745; A61K31/7056; C07D471/02; C07D473/12; C07D487/02; A61K31/5025

Cooperative Patent Class: A61K31/519; A61K31/52; A61P25/28; A61P29/00; A61P31/00; A61P35/00; A61P35/02; A61P37/00; A61P37/02; A61P43/00; A61P9/00; A61P9/14; C07D403/04; C07D405/14; C07D471/04; C07D473/00; C07D473/34; C07D487/04; C07D519/00; C07H19/14; C07H19/173

US Class: 1/1; 435/184; 514/248; 514/248S; 514/262.1; 514/262.100S; 514/263.23; 514/263.230S; 514/263.4; 514/265.1; 514/265.100S; 514/300; 514/300S; 514/303; 514/303S; 514/43; 514/43P; 514/45; 514/45S; 514/46; 514/47; 514/47S; 514/49; 536/27.1; 536/27.100S; 536/27.2; 536/27.23; 536/27.3; 536/27.300S; 544/229; 544/236; 544/236S; 544/262; 544/262S; 544/277; 544/277S; 544/280; 544/280S; 546/113; 546/113S; 546/118; 546/118S; 549/361; 549/546; 556/449; 568/838

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Title
[EN] CYCLOPROPYL AMIDE DERIVATIVES 978

Abstract
[EN] Disclosed herein is at least one cyclopropyl amide derivative, at least one pharmaceutical composition comprising at least one cyclopropyl amide derivative disclosed herein, and at least one method of using at least one cyclopropyl amide derivative disclosed herein for treating at least one histamine H3 receptor associated condition therewith.

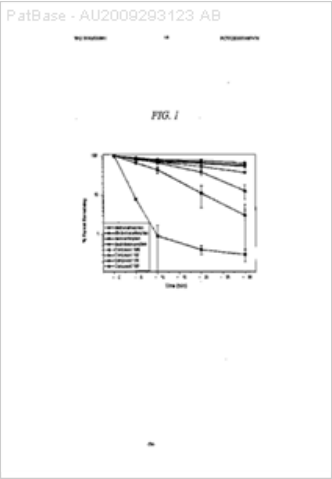
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Cooperative Patent Class: A61K31/495; A61K31/496; A61K31/551; A61P25/00; A61P25/02; A61P25/04; A61P25/08; A61P25/18; A61P25/22; A61P25/28; A61P29/00; A61P3/04; A61P43/00; C07D207/12; C07D207/27; C07D211/40; C07D211/76; C07D213/56; C07D231/12; C07D233/36; C07D239/26; C07D243/08; C07D295/18; C07D295/182; C07D295/185; A61K31/195; A61K31/4709; A61K31/485; A61K45/06; A61P25/16; C07B59/002; C07D221/28; C07D471/08; C07D207; C07D211; C07D213; C07D231; C07D233; C07D239; C07D243; C07D295; A61K31/4965; C07D295/16

US Class: 1/1; 514/218; 514/252.14; 514/252.140P; 514/252.140S; 514/253.01; 514/253.010S; 514/253.12; 514/254.01; 514/254.010S; 514/254.05; 514/254.050S; 514/255.01; 514/255.010S; 514/282; 514/289; 514/289S; 540/607; 540/607S; 544/295; 544/295S; 544/357; 544/357S; 544/359; 544/360; 544/360S; 544/370; 544/370S; 544/371; 544/371S; 544/372; 544/372S; 544/391; 544/391S; 546/74; 546/74S

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Designated States: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MT; NL; NO; PL; PT; RO; SE; SI; SK; TR; MK; SM; AL; BA; RS; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BR; BW; BY; BZ; CA; CF; CG; CI; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; ME; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PG; PH; RU; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW; CL; PE

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Title

[EN] SUBSTITUTED 3-HALOALLYLAMINE INHIBITORS OF ASSAO AND USES THEREOF

Abstract

[EN] The preparation and pharmaceutical use of substituted 3-haloallylamine derivatives as SSAO/VAP-1 inhibitors having the structure of Formula I: is described. Methods of using compounds of Formula I, or pharmaceutically acceptable salt or derivatives thereof, for the treatment of a variety of indications, e.g., inflammatory diseases, ocular diseases, fibrotic diseases, diabetes-induced diseases and cancer, are also described.

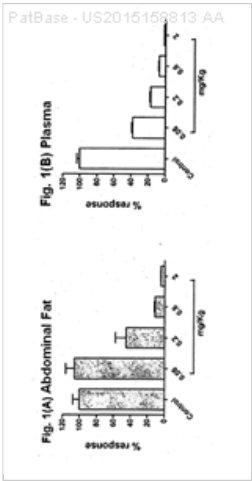
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US Class: 1/1; 514/603; 514/618; 514/620; 564/162; 564/165; 564/86

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

56. Family 59415461 (US2015252038 AA)

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Title
[EN] SUBSTITUTED BENZAMIDES AND METHODS OF USE THEREOF

Abstract
[EN] The invention provides compounds having the general formula I: and pharmaceutically acceptable salts thereof, wherein the variables RA, RAA, subscript n, ring A, X2, L, subscript m, X1, R1, R2, R3, R4, R5, and RN have the meaning as described herein, and compositions containing such compounds and methods for using such compounds and compactions.

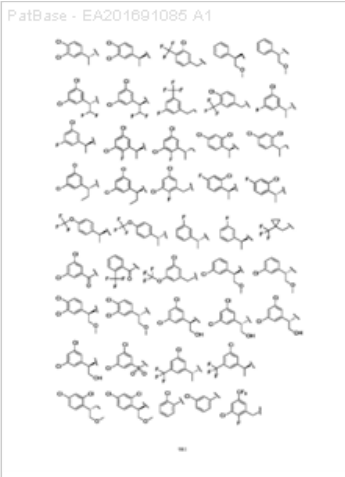
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Cooperative Patent Class: A61K31/337; A61K31/397; A61K31/4015; A61K31/415; A61K31/4412; A61K31/445; A61K31/4523; A61K31/4545; A61K31/495; A61P1/00; A61P1/02; A61P1/04; A61P11/00; A61P13/10; A61P17/00; A61P17/02; A61P19/02; A61P25/00; A61P25/04; A61P25/06; A61P25/08; A61P25/18; A61P25/22; A61P25/24; A61P29/00; A61P31/18; A61P35/00; A61P9/00; A61P9/10; C07D205/04; C07D205/12; C07D207/12; C07D211/22; C07D211/32; C07D211/42; C07D211/54; C07D211/60; C07D211/96; C07D233/68; C07D237/08; C07D241/04; C07D265/30; C07D295/155; C07D295/26; C07D305/08; C07D401/04; C07D401/06; C07D401/12; C07D403/04; C07D403/12; C07D405/04; C07D405/12; C07D413/06; C07D413/12; C07D417/06; C07D451/02; C07D451/06; C07D453/02; C07D487/08; C07F7/0812

US Class: 1/1; 514/210.01; 514/210.17; 514/210.2; 514/210.21; 514/252.03; 514/323; 514/326; 514/327; 544/238; 546/133; 546/200; 546/208; 546/211; 546/221; 548/518; 548/950; 548/953

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

57. Family 56252627 (US2014107340 AA)

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Title
[EN] BENZAMIDES

Abstract
[EN] The present invention is directed to benzamide containing compounds which inhibit the P2X7 receptor

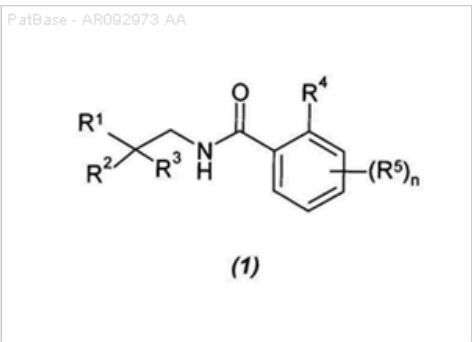
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Cooperative Patent Class: A61K31/505; A61P25/00; A61P25/04; A61P25/18; A61P29/00; A61P43/00; C07C233/66; C07C233/73; C07C233/75; C07C233/78; C07C2601/08; C07D211/26; C07D213/40; C07D213/61; C07D231/12; C07D233/64; C07D237/08; C07D239/26; C07D241/12; C07D309/04; C07D401/06; C07D403/04; C07D403/06; C07D405/04; C07D405/06; A61K31/166; A61K31/351; C07C2101/08

US Class: 1/1; 514/256; 544/224; 544/333; 544/335; 544/336; 546/234; 546/265; 546/275.4; 546/282.1; 546/330; 546/337; 548/345.1; 548/365.7; 549/426; 564/184; 564/185

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

58. Family 55355778 (US2015087646 AA)

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Title
[EN] TRIAZOLONE COMPOUNDS AS MPGES-1 INHIBITORS

Abstract
[EN] The present disclosure is directed to compounds of formula (I), and pharmaceutically acceptable salts thereof, as mPGES-1 inhibitors. These compounds are inhibitors of the microsomal prostaglandin E synthase-1 (mPGES-1) enzyme and are therefore useful in the treatment of pain and/or inflammation from a variety of diseases or conditions, such as asthma, osteoarthritis, rheumatoid arthritis, acute or chronic pain and neurodegenerative diseases.

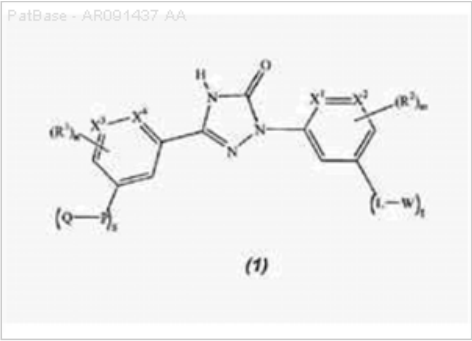
International Class: A61K31/4196; A61P29/00; C07D249/12; C07D401/04; C07D401/10; C07D403/04; C07D403/10; C07D403/12; C07D405/12; C07D409/14; C07D413/10; C07D417/10; C07D417/12; A61P25/00; A61P11/06; A61P11/08; A61P19/02; A61P25/16; A61P35/00; C07D409/10; A61K; A61P; C07D; A61K31/4427; A61P11/00; C07D249/08; A61K31/00; A61K9/00; A61K31/33; A61K31/4245; A61K31/428; A61K31/433; A61K31/4439; A61K31/5377; A61P1/02; A61P1/04; A61P1/18; A61P11/02; A61P13/12; A61P15/00; A61P17/00; A61P17/02; A61P17/06; A61P19/06; A61P21/00; A61P21/02; A61P25/04; A61P25/06; A61P25/08; A61P25/16; A61P25/28; A61P27/02; A61P3/10; A61P31/04; A61P31/10; A61P31/12; A61P31/16; A61P31/18; A61P31/20; A61P37/02; A61P37/08; A61P9/00; A61P9/10; C07D285/00; A61K31/422; C07D413/12; C07D249/00; C07D401/00; C07D403/00; C07D405/00; C07D409/00; C07D413/00; C07D417/00

Cooperative Patent Class: A61K31/4196; A61K31/422; A61K31/4245; A61K31/428; A61K31/433; A61K31/4439; A61K31/5377; A61P1/02; A61P1/04; A61P1/18; A61P11/00; A61P11/02; A61P11/06; A61P11/08; A61P13/12; A61P15/00; A61P17/00; A61P17/02; A61P17/06; A61P19/02; A61P19/06; A61P21/00; A61P21/02; A61P25/00; A61P25/04; A61P25/06; A61P25/16; A61P25/28; A61P27/02; A61P29/00; A61P3/10; A61P31/04; A61P31/10; A61P31/12; A61P31/16; A61P31/18; A61P31/20; A61P35/00; A61P37/02; A61P37/08; A61P9/00; A61P9/10; C07D249/12; C07D401/04; C07D401/10; C07D403/04; C07D403/10; C07D403/12; C07D405/12; C07D409/14; C07D413/10; C07D413/12; C07D417/10; C07D417/12

US Class: 1/1; 514/236.2; 514/340; 514/363; 514/364; 514/367; 514/384; 544/122; 544/131; 546/272.4; 548/131; 548/139; 548/163; 548/263.2

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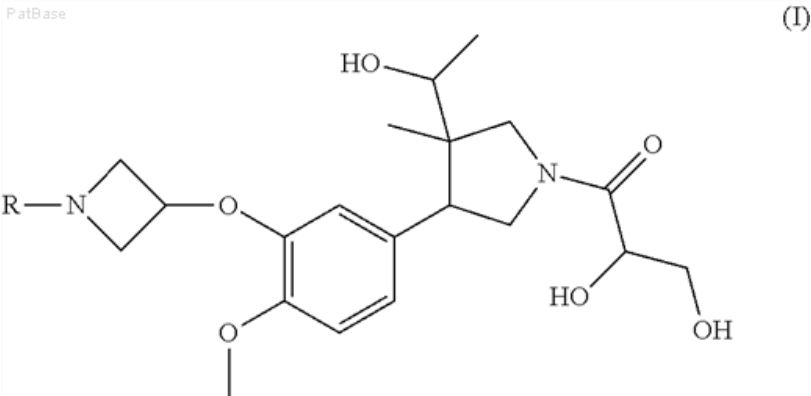
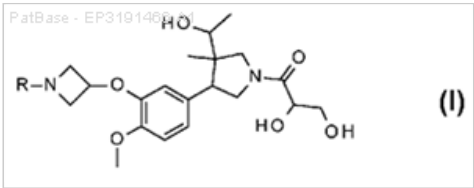
Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BA; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; ME; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

59. Family 61871078 (US2017240532 AA)

[View in PatBase](#)

Title
[EN] AZETIDINYLOXYPHENYLPYRROLIDINE COMPOUNDS

Abstract
[EN] The invention provides certain azetidinyloxyphenylpyrrolidine compounds, particularly compounds of formula I, and pharmaceutical compositions thereof. The invention further provides methods of using a compound of formula I to treat overactive bladder.



International Class: A61K31/4439; A61K31/497; A61K31/506; A61P13/10; C07D401/14; C07D403/14; A61K31/4985; C07B59/00; A61K; A61P; C07D; A61P43/00; A61K31/397; A61K31/4025; C07D205/04; A61K31/00; A61P13/00; C07D401/00; C07D403/00

Cooperative Patent Class: A61K2300/00; A61K31/4439; A61K31/497; A61K31/4985; A61K31/506; A61P13/00; A61P13/10; A61P43/00; C07B2200/05; C07B59/002; C07D401/14; C07D403/14

US Class: 1/1; 514/210.2

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Patent Number	Publication Date	Application Number	Application Date	
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CL2017000484 A1	20171110	CL20170000484	20170301	
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CR20170050 A	20170425	CR20170000050	20150903	
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US2017240532 AA	20170824	US20150506017	20150903	
US2020002318 AA	20200102	US20190570422	20190913	
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Priority Numbers: US20140049485P [20140912]; WO2015US48267 [20150903]; EP20150763763 [20150903]; US20150506017 [20150903]; US20170506017 [20170223]; US20190570422 [20190913]

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

60. Family 48873881 (US2011112197 AA)

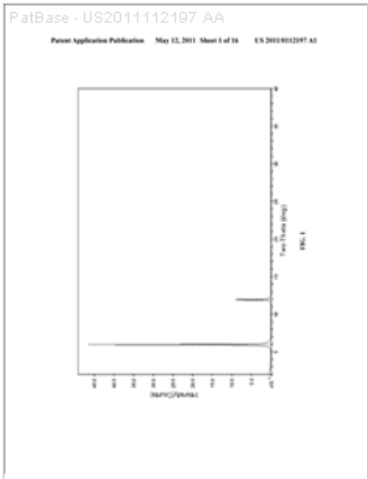
[View in PatBase](#)

Title

[EN] NOVEL CRYSTALLINE FORMS OF (1S,2R)-2-(AMINO METHYL)-N,N-DIETHYL-1-PHENYL CYCLOPROPANE CARBOXAMIDE

Abstract

[EN] The present invention relates to novel crystalline forms of (1S,2R)-2-(amino methyl)-N,N-diethyl-1-phenyl cyclopropane carboxamide. Processes for the preparation of this form, compositions containing the form, and methods of use thereof are also described.



FDA Data

Application Number	Active Ingredient	Proprietary Name	Applicant	Date Of Approval
204168	LEVOMILNACIPRAN HYDROCHLORIDE	FETZIMA	ABBVIE	20130725
204168	LEVOMILNACIPRAN HYDROCHLORIDE	FETZIMA	ALLERGAN	20130725
204168	LEVOMILNACIPRAN HYDROCHLORIDE	FETZIMA	ALLERGAN SALES LLC	20130725
204168	LEVOMILNACIPRAN HYDROCHLORIDE	FETZIMA	FOREST LABS INC	20130725

International Class: A61K31/165; C07C237/24; A61P25/24; A61K31/16; A61P25/00; A61K9/48; A61P25/22; A61P43/00; C07C231/22; A61K9/16; A61K9/20; A61K9/50; C07C231/00; A01N37/18; C07C233/00; C07C235/00; C07C237/00; C07C239/00; C07D209/52

Cooperative Patent Class: A61K31/165; A61P25/00; A61P25/22; A61P25/24; A61P43/00; C07B2200/13; C07C231/00; C07C237/24; C07C2601/02; A61K9/5078; C07D209/52

US Class: 1/1; 514/620; 564/161; 564/164; 564/164S; 564/190

Family Information

Patent Number	Publication Date	Application Number	Application Date	
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CA2779711 C	20161101	CA20102779711	20101108	
CA2790933 AA	20120823	CA20112790933	20110114	
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Patent Number	Publication Date	Application Number	Application Date	
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Priority Numbers: US20090258652P [20091106]; WO2010US55783 [20101108]; US20100294898P [20100114]; US20100941293 [20101108]; WO2011US21315 [20110114]; US20110006993 [20110114]; US20130835111 [20130315]; US20130855089 [20130402]; US20140518300 [20141020]; US20150607482 [20150128]; US20170685646 [20170824]; US20190446694 [20190620]; US20200738449 [20200109]

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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BA; BB; BF; BH; BJ; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; ME; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PE; PG; PH; RU; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

61. Family 67405420 (US9809534 BA)

[View in PatBase](#)

Title
[EN] DIFLUOROALKYLCYCLOPROPYL AMINO ACIDS AND ESTERS, AND SYNTHESSES THEREOF

Abstract
[EN] The invention provides methods of synthesizing compounds in an asymmetric or enantioenriched fashion, wherein the compounds are useful intermediates in the synthesis of viral protease inhibitors.

International Class: C07C211/27; C07C211/35; C07C269/00; C07C269/06; C07C269/08; C07C271/24; C07C67/333; C07C67/347; C07C69/65; C07C69/74; C12P7/62; C12P41/00

Cooperative Patent Class: C07B2200/07; C07C211/27; C07C211/35; C07C2601/02; C07C2601/14; C07C269/00; C07C269/06; C07C269/08; C07C271/24; C07C67/31; C07C67/333; C07C67/343; C07C67/347; C07C69/08; C07C69/65; C07C69/708; C07C69/74; C12P41/005; C12P7/62

US Class: 1/1; 435/135

Family Information

Patent Number	Publication Date	Application Number	Application Date
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US2018194721 AA	20180712	US20170789133	20171020
US2020115329 AA	20200416	US20190578764	20190923
US9809534 BA	20171107	US20150802392	20150717

Priority Numbers: US20140026854P [20140721]; US20150802392 [20150717]; US20170789133 [20171020]; US20190578764 [20190923]

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62. Family 58287821 (US2016199348 AA)

[View in PatBase](#)

Title
[EN] COMPOUNDS

Abstract
[EN] The present invention relates to compounds of formula (I): wherein R1 and R2 are as defined herein. In certain embodiments, the compounds of the present invention are inhibitors of RORgammat and are useful in the treatment of diseases and conditions mediated by RORgammat.

International Class: A61K31/404; A61K31/405; A61K31/416; A61K31/437; A61K31/4439; A61K31/519; A61K9/00; C07D209/10; C07D209/12; C07D231/56; C07D401/04; C07D471/04; C07D487/04; A61P29/00

Cooperative Patent Class: A61K31/404; A61K31/405; A61K31/416; A61K31/437; A61K31/4439; A61K31/519; A61K9/0053; A61P29/00; C07D209/10; C07D209/12; C07D231/56; C07D401/04; C07D471/04; C07D487/04

US Class: 1/1; 514/265.1; 514/419

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Patent Number	Publication Date	Application Number	Application Date
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US10383850 BB	20190820	US20150521397	20151023
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US2017305915 AA	20171026	US20150521397	20151023
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US9522134 BB	20161220	US20160074656	20160318
US9861612 BB	20180109	US20160346267	20161108
WO16063080 A1	20160428	WO2015GB53183	20151023
WO16063081 A1	20160428	WO2015GB53184	20151023

Priority Numbers: GB20140019015 [20141024]; WO2015GB53183 [20151023]; WO2015GB53184 [20151023]; US20160074656 [20160318]; US20160346267 [20161108]; US20170521397 [20170424]; US20190539143 [20190813]

Probable Patent Assignee: ORCA PHARMACEUTICALS LLC

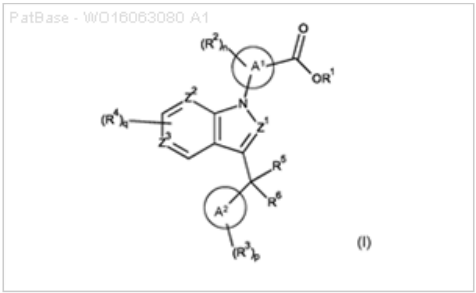
Assignees: ORCA PHARMACEUTICALS LTD

Non Std Assignees: ORCA PHARMACEUTICALS LLC; ASTRAZENECA AB

Inventors: MCCARTHY CLIVE; WENT NAOMI; OLSSON ROINE INGE

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Designated States: AE; AG; AL; AM; AO; AT; AU; AZ; BA; BB; BE; BF; BG; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CH; CI; CL; CM; CN; CO; CR; CU; CY; CZ; DE; DK; DM; DO; DZ; EC; EE; EG; ES; FI; FR; GA; GB; GD; GE; GH; GM; GN; GQ; GR; GT; GW; HN; HR; HU; ID; IE; IL; IN; IR; IS; IT; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY; MA; MC; MD; ME; MG; MK; ML; MN; MR; MT; MW; MX; MY; MZ; NA; NE; NG; NI; NL; NO; NZ; OM; PA; PE; PG; PH; PL; PT; QA; RO; RS; RU; RW; SA; SC; SD; SE; SG; SI; SK; SL; SM; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW



63. Family 60818212 (US2017037007 AA)

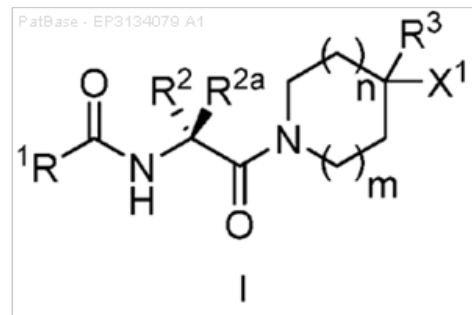
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Title

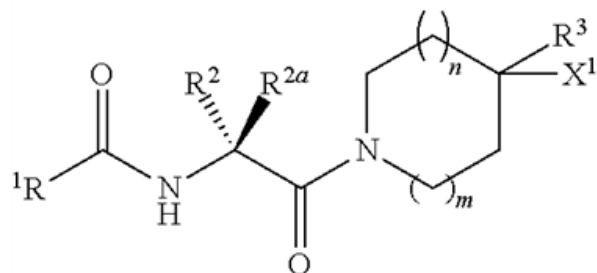
[EN] SUBSTITUTED N-(2-(AMINO)-2OXOETHYL)BENZAMIDE INHIBITORS OF AUTOTAXIN AND THEIR PREPARATION AND USE IN THE TREATMENT OF LPA-DEPENDENT OR LPA-MEDIATED DISEASES

Abstract

[EN] The present invention relates to compounds according to Formula I and pharmaceutically acceptable salts, synthesis, intermediates, formulations, and methods of disease treatment therewith, including cancer, lymphocyte homing, chronic inflammation, neuropathic pain, fibrotic diseases, thrombosis, and cholestatic pruritus, mediated at least in part by ATX.



PatBase



International Class: A61K31/165; A61K31/445; C07D211/00; A61P1/00; A61P11/00; A61P25/00; A61P27/00; A61P29/00; A61P35/00; A61P9/00; C07D211/32; C07D211/58; C07D211/66; C07D401/12; A61K; C07D; A61K31/4468; A61K31/454; A61K45/00; A61P1/16; A61P11/06; A61P13/12; A61P17/00; A61P17/04; A61P19/02; A61P25/04; A61P27/02; A61P35/02; A61P35/04; A61P37/06; A61P7/02; A61P9/08; A61P9/10; A61K31/45; A61K45/06

Cooperative Patent Class: A61K31/4468; A61K31/45; A61K31/454; A61K45/06; A61P1/00; A61P1/16; A61P11/00; A61P11/06; A61P13/12; A61P17/00; A61P17/04; A61P19/02; A61P25/00; A61P25/04; A61P27/00; A61P27/02; A61P29/00; A61P35/00; A61P35/02; A61P35/04; A61P37/06; A61P7/02; A61P9/00; A61P9/08; A61P9/10; C07D211/28; C07D211/58; C07D211/66; C07D401/12

US Class: 1/1; 514/171

Family Information

Patent Number	Publication Date	Application Number	Application Date
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EP3134079 A1	20170301	EP20150792570	20150421
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IN201617039929 A	20170317	IN201617039929	20161123
JP2017526614 T2	20170914	JP20160563838T	20150421
JP2020007360 A2	20200116	JP20190170253	20150421
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[EN] HETEROCYCLIC COMPOUNDS AND METHODS OF USE

[EN] This disclosure provides compounds and methods of using those compounds to treat metabolic disorders and hyperproliferative disorders, including administration of the compounds in conjunction with hormone receptor antagonists.

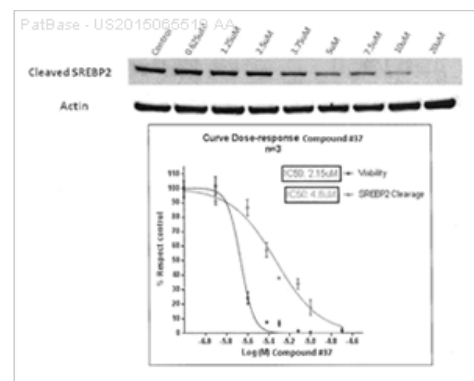
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