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FILE 'HOME' ENTERED AT 10:21:18 ON 26 SEP 2024

=> Fil REGISTRY

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST  | 0.35             | 0.35          |

FILE 'REGISTRY' ENTERED AT 10:22:02 ON 26 SEP 2024  
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STRUCTURE FILE UPDATES: 25 SEP 2024 HIGHEST RN 3055759-12-8  
DICTIONARY FILE UPDATES: 25 SEP 2024 HIGHEST RN 3055759-12-8

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/training/stn/database-specific>

=> Fil REGISTRY

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST  | 2.21             | 2.56          |

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STRUCTURE FILE UPDATES: 25 SEP 2024 HIGHEST RN 3055759-12-8  
DICTIONARY FILE UPDATES: 25 SEP 2024 HIGHEST RN 3055759-12-8

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TSCA Inventory information is current through May 2024.

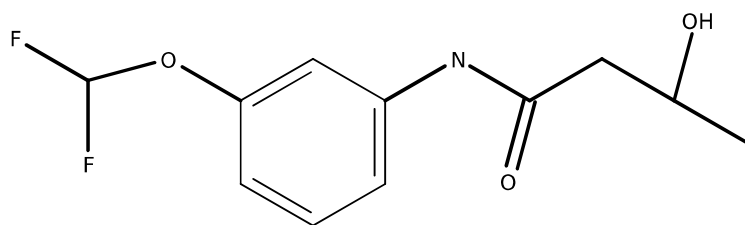
Please note that search-term pricing does apply when conducting SmartSELECT searches.

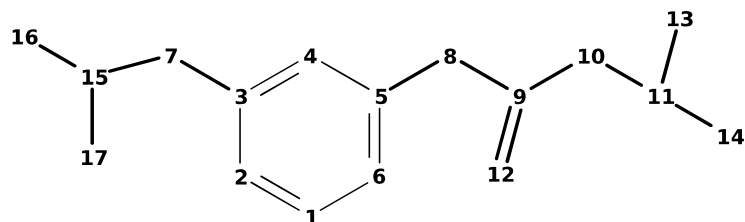
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/training/stn/database-specific>

=>

Uploading structure file: 2024\_0028\_Structure





#### Node Attributes

Ring Nodes : 1 2 3 4 5 6

Chain Nodes : 7 8 9 10 11 12 14 15 16 17

#### Bond Attributes

Ring Bonds : 1-2 2-3 3-4 4-5 5-6 6-1

Chain Bonds : 3-7 5-8 7-15 8-9 9-10 9-12 10-11 11-13 11-14 15-16 15-17

Exact Bonds : 9-10 10-11 11-14 15-16 15-17

Normalized Bonds : 1-2 2-3 3-4 4-5 5-6 6-1

Exact/Normalized Bonds : 3-7 5-8 7-15 8-9 9-12 11-13

#### Markush Attributes

Match Level (ATOM) : 1 2 3 4 5 6

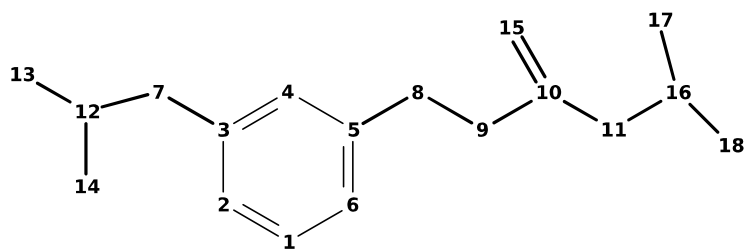
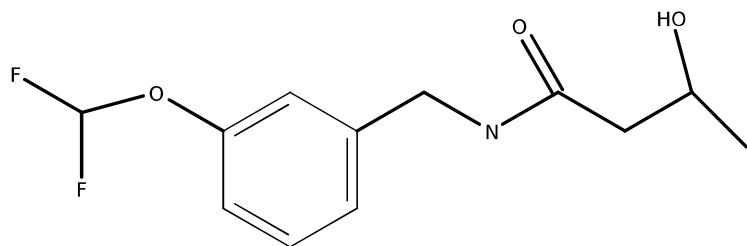
Match Level (CLASS) : 7 8 9 10 11 12 13 14 15 16 17

Element Count Level (LIMITED) : 1 2 3 4 5 6 7 8 9 10 11 12 13 14  
15 16 17

L1 STRUCTURE UPLOADED

=>

Uploading structure file: 2024\_0029\_Structure



# Node Attributes

Ring Nodes : 1 2 3 4 5 6

Chain Nodes : 7 8 9 10 11 12 13 14 15 16 18

# Bond Attributes

Ring Bonds : 1-2 2-3 3-4 4-5 5-6 6-1

Chain Bonds : 3-7 5-8 7-12 8-9 9-10 10-11 10-15 11-16 12-13 12-14 16-17 16-18

Exact Bonds : 5-8 10-11 11-16 12-13 12-14 16-18

Normalized Bonds : 1-2 2-3 3-4 4-5 5-6 6-1

Exact/Normalized Bonds : 3-7 7-12 8-9 9-10 10-15 16-17

# Markush Attributes

Match Level (ATOM) : 1 2 3 4 5 6

Match Level (CLASS) : 7 8 9 10 11 12 13 14 15 16 17 18

Element Count Level (LIMITED) : 1 2 3 4 5 6 7 8 9 10 11 12 13 14  
15 16 17 18

L2 STRUCTURE UPLOADED

=> s l2

SAMPLE SEARCH INITIATED 11:26:48 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 165 TO ITERATE

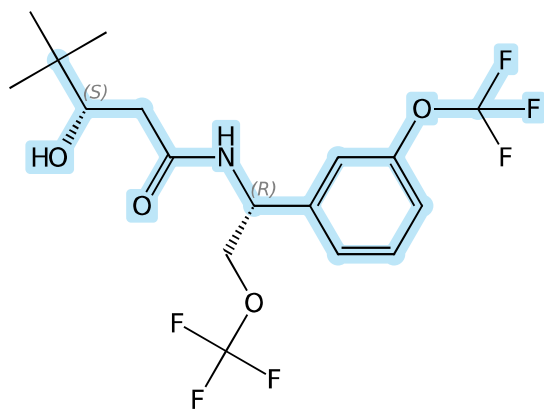
100.0% PROCESSED 165 ITERATIONS 6 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 2530 TO 4070  
PROJECTED ANSWERS: 6 TO 266

L3 6 SEA SSS SAM L2

=> d

L3 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2024 ACS on STN  
RN 2595180-71-3 REGISTRY  
ED Entered STN: 22 Feb 2021  
CN Pentanamide, 3-hydroxy-4,4-dimethyl-N-[(1R)-2-(trifluoromethoxy)-1-[3-(trifluoromethoxy)phenyl]ethyl]-, (3S)- (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN (3S)-3-Hydroxy-4,4-dimethyl-N-[(1R)-2-(trifluoromethoxy)-1-[3-(trifluoromethoxy)phenyl]ethyl]pentanamide  
FS STEREOSEARCH  
MF C17 H21 F6 N O4  
SR CA  
LC STN Files: CA, CAPLUS, CASBIOACTIVI, CASREACT, TOXCENTER, USPAT2, USPATFULL



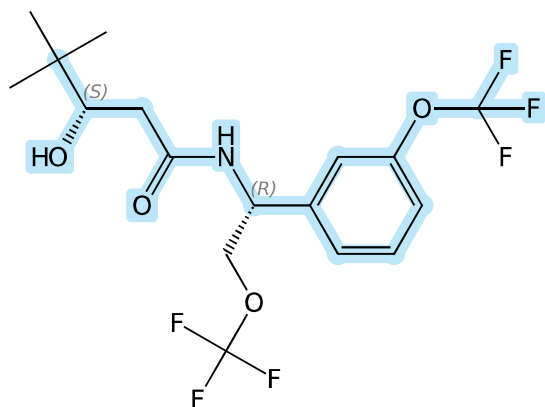
Absolute stereochemistry shown

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d l3 1-6

L3 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2024 ACS on STN  
 RN 2595180-71-3 REGISTRY  
 ED Entered STN: 22 Feb 2021  
 CN Pentanamide, 3-hydroxy-4,4-dimethyl-N-[(1R)-2-(trifluoromethoxy)-1-[3-(trifluoromethoxy)phenyl]ethyl]-, (3S)- (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN (3S)-3-Hydroxy-4,4-dimethyl-N-[(1R)-2-(trifluoromethoxy)-1-[3-(trifluoromethoxy)phenyl]ethyl]pentanamide  
 FS STEREOSEARCH  
 MF C17 H21 F6 N O4  
 SR CA  
 LC STN Files: CA, CAPLUS, CASBIOACTIVI, CASREACT, TOXCENTER, USPAT2, USPATFULL

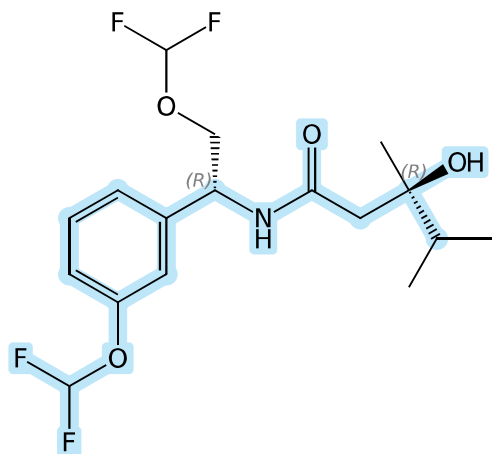


Absolute stereochemistry shown

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1907 TO DATE)  
 3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2024 ACS on STN  
 RN 2595180-58-6 REGISTRY  
 ED Entered STN: 22 Feb 2021  
 CN Pentanamide, N-[(1R)-2-(difluoromethoxy)-1-[3-(difluoromethoxy)phenyl]ethyl]-3-hydroxy-3,4-dimethyl-, (3R)- (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN (3R)-N-[(1R)-2-(Difluoromethoxy)-1-[3-(difluoromethoxy)phenyl]ethyl]-3-hydroxy-3,4-dimethylpentanamide  
 FS STEREOSEARCH  
 MF C17 H23 F4 N O4  
 SR CA  
 LC STN Files: CA, CAPLUS, CASBIOACTIVI, CASREACT, TOXCENTER, USPAT2, USPATFULL

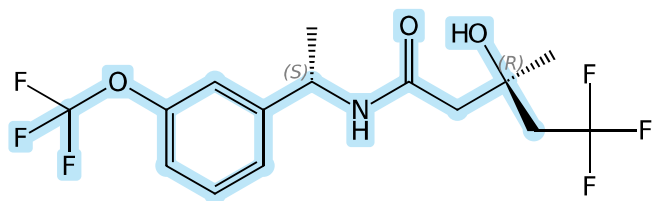


Absolute stereochemistry shown

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2024 ACS on STN  
RN 2375043-72-2 REGISTRY  
ED Entered STN: 11 Sep 2019  
CN Pentanamide, 5,5,5-trifluoro-3-hydroxy-3-methyl-N-[(1S)-1-[3-(trifluoromethoxy)phenyl]ethyl]-, (3R)- (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN (3R)-5,5,5-Trifluoro-3-hydroxy-3-methyl-N-[(1S)-1-[3-(trifluoromethoxy)phenyl]ethyl]pentanamide  
FS STEREOSEARCH  
MF C15 H17 F6 N O3  
SR CA  
LC STN Files: CA, CAPLUS, CASBIOACTIVI, CASREACT, TOXCENTER, USPAT2, USPATFULL



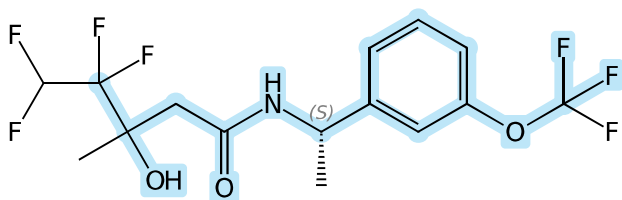
Absolute stereochemistry shown  
Rotation (-)

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4 REFERENCES IN FILE CA (1907 TO DATE)  
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2024 ACS on STN  
RN 2375043-68-6 REGISTRY  
ED Entered STN: 11 Sep 2019  
CN Pentanamide, 4,4,5,5-tetrafluoro-3-hydroxy-3-methyl-N-[(1S)-1-[3-(trifluoromethoxy)phenyl]ethyl]- (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 4,4,5,5-Tetrafluoro-3-hydroxy-3-methyl-N-[(1S)-1-[3-(trifluoromethoxy)phenyl]ethyl]pentanamide  
FS STEREOSEARCH

MF C15 H16 F7 N O3  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT, USPAT2, USPATFULL

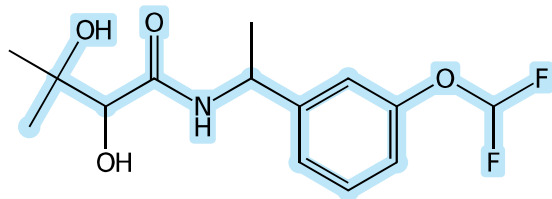


Absolute stereochemistry shown

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

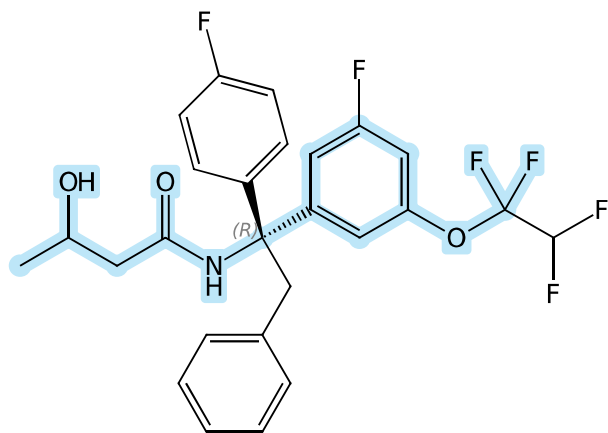
2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2024 ACS on STN  
RN 2179538-94-2 REGISTRY  
ED Entered STN: 26 Feb 2018  
CN Butanamide, N-[1-[3-(difluoromethoxy)phenyl]ethyl]-2,3-dihydroxy-3-methyl-  
(CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN N-[1-[3-(Difluoromethoxy)phenyl]ethyl]-2,3-dihydroxy-3-methylbutanamide  
MF C14 H19 F2 N O4  
SR Chemical Library  
Supplier: Aurora Fine Chemicals  
LC STN Files: CHEMCATS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2024 ACS on STN  
RN 939391-24-9 REGISTRY  
ED Entered STN: 26 Jun 2007  
CN Butanamide, N-[(1R)-1-(4-fluorophenyl)-1-[3-fluoro-5-(1,1,2,2-tetrafluoroethoxy)phenyl]-2-phenylethyl]-3-hydroxy- (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN N-[(1R)-1-(4-Fluorophenyl)-1-[3-fluoro-5-(1,1,2,2-tetrafluoroethoxy)phenyl]-2-phenylethyl]-3-hydroxybutanamide  
FS STEREOSEARCH  
MF C26 H23 F6 N O3  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT, USPAT2, USPATFULL



Absolute stereochemistry shown

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> S 2179538-94-2/RN

L4 1 2179538-94-2/RN

=> Fil CHEMCATS

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST  | 67.18            | 69.74         |

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FILE LAST UPDATED 24 SEPTEMBER 2024

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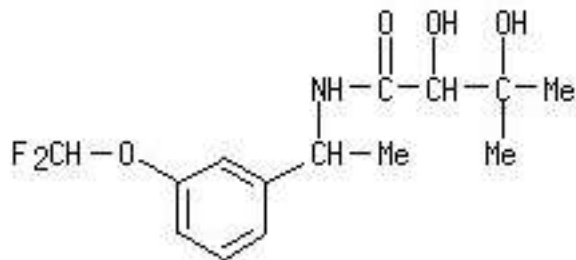
=> S L4; D ALL TOTAL

L5 2 L4

L5 ANSWER 1 OF 2 CHEMCATS COPYRIGHT 2024 ACS on STN

Accession No. (AN): 1822490725 CHEMCATS  
Catalog Name (CO): Aurora Building Blocks 12  
Publication Date (PD): 6 Apr 2023  
Order Number Cat. (ON): 165.109.519  
Chemical Name (CN):  
N-[1-[3-(difluoromethoxy)phenyl]ethyl]-2,3-dihydroxy-3-methylbutanamide  
CAS Registry No. (RN): **2179538-94-2**  
Supplementary Term (ST): CHEMICAL LIBRARY  
Quantity Category (QCAT): Gram quantities  
Shipping Time (SHIP): 4 weeks  
Purity Category (PRCT): Very High  
Bulk Availability (BULK): No  
Screening Compound (SCRN): Yes  
Purity : 95-98%  
Structure :

2179538-94-2



#### COMPANY INFORMATION

Aurora Fine Chemicals LLC  
7929 Silverton Ave.  
Suite 609  
San Diego, CA, 92126  
United States

Phone: +1-858-549-4700

Fax: +1-858-549-4701

Email: [aurora@aurorafinechemicals.com](mailto:aurora@aurorafinechemicals.com)

Web: <https://www.aurorafinechemicals.com>

Notes: Online ordering, purchase orders accepted.

Notes: Starting price at \$1,290 per item and per shipment regardless of structure and amount. Discount price for orders containing many items and/or bulk amount is available.

Notes: Laboratory protocol is available and eventual resynthesis is not an issue.

Aurora Fine Chemicals Ltd.

Herrengasse 13

Graz, A-8010

Austria

Email: [aurora@aurorafinechemicals.com](mailto:aurora@aurorafinechemicals.com)

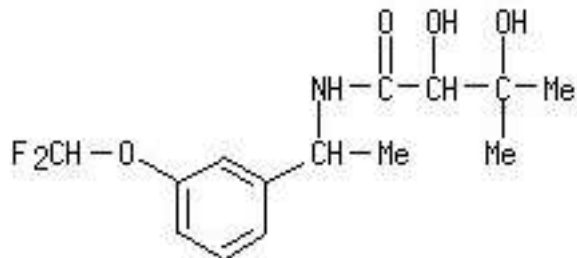
Web: <https://www.aurorafinechemicals.com>

L5 ANSWER 2 OF 2 CHEMCATS COPYRIGHT 2024 ACS on STN

Accession No. (AN): 1657858146 CHEMCATS  
Catalog Name (CO): Intermed Chemicals Screening Compounds  
Publication Date (PD): 28 Jun 2024  
Order Number Cat. (ON): IMED2891086815  
Chemical Name (CN):  
N-{1-[3-(difluoromethoxy)phenyl]ethyl}-2,3-dihydroxy-3-methylbutanamide  
CAS Registry No. (RN): **2179538-94-2**

Supplementary Term (ST): CHEMICAL LIBRARY  
Stock Availability (SKAV): Limited or intermittent availability  
Quantity Category (QCAT): Milligram quantities  
Shipping Time (SHIP): 4 weeks  
Purity Category (PRCT): High  
Bulk Availability (BULK): No  
Screening Compound (SCRN): Yes  
Structure :

2179538-94-2



#### COMPANY INFORMATION

SIA "Chemspace"  
Ilukstes iela 35-5  
Riga, LV-1082  
Latvia

Phone: +37167660787  
Email: [sales@chem-space.com](mailto:sales@chem-space.com)  
Web: <https://www.chem-space.com>

Intermed Ltd.  
67 Krasnotkatskaya Street, Building 86  
Kiev, 02660  
Ukraine

Phone: +38 044 492 6997  
Email: [sales@chem-space.com](mailto:sales@chem-space.com)  
Web: <http://www.intermedchemicals.com>

=> Fil REGISTRY

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST  | 40.38            | 110.12        |

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DICTIONARY FILE UPDATES: 25 SEP 2024 HIGHEST RN 3055759-12-8

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=>

```
* * * * * Reconnected to CAS STNext@ * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 10:45:46 ON 26 SEP 2024
FILE 'REGISTRY' ENTERED AT 10:45:46 ON 26 SEP 2024
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COST IN U.S. DOLLARS          SINCE FILE          TOTAL
                               ENTRY          SESSION
FULL ESTIMATED COST          66.30          176.42
```

=> Fil MARPAT

```
COST IN U.S. DOLLARS          SINCE FILE          TOTAL
                               ENTRY          SESSION
FULL ESTIMATED COST          66.30          176.42
```

FILE 'MARPAT' ENTERED AT 10:46:53 ON 26 SEP 2024  
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FILE CONTENT: 1961-PRESENT VOL 188 ISS 2 (20240920/ED)

MARPAT contains more than 1.3M searchable Markush structures,  
with coverage back to 1961 as summarized below:

- o Patents covered by CAS from 1988 to the present.
- o Records derived from INPI (Institute National de la Propriete Industrielle) covering the period 1961-1987
- o English language patents from 1984-1987
- o French and German patents from 1986-1987 (selective coverage)
- o Japanese patents from 1987 (selective coverage)
- o Russian patents published after January 10, 2000
- o Korean patents from 2008 to the present

MOST RECENT CITATIONS FOR PATENTS FROM MAJOR ISSUING AGENCIES  
(COVERAGE TO THESE DATES IS NOT COMPLETE):

```
US  20240261440 08 AUG 2024
DE 102024102512 01 AUG 2024
EP   4414363 14 AUG 2024
JP   2024111412 19 AUG 2024
WO   2024174813 29 AUG 2024
GB   2626177 17 JUL 2024
FR   3144135 28 JUN 2024
RU   2799310 04 JUL 2023
CA   3225094 30 JUN 2024
```

The MARPAT User Guide is available at:

<https://www.cas.org/sites/default/files/documents/marpatug.pdf>

Assembled MARPAT displays are now available by default for QHIT and FQHIT formats. Two new display formats, QHITEXG and FQHITEXG, have also been implemented.

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=> s 12

SAMPLE SEARCH INITIATED 11:47:03 FILE 'MARPAT'  
SAMPLE SCREEN SEARCH COMPLETED - 4555 TO ITERATE

100.0% PROCESSED 4555 ITERATIONS 17 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 87350 TO 94850  
PROJECTED ANSWERS: 92 TO 588

L6 17 SEA SSS SAM L2

=> d 16 1-7

L6 ANSWER 1 OF 17 MARPAT COPYRIGHT 2024 ACS on STN  
[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)  
AN 186:283407 MARPAT [Full-text](#)  
TI 1H-Pyrazolopyridine and pyrazolopyrimidine derivatives as CBL-B inhibitors  
and their preparation  
IN Cho-Schultz, Sujin; Deal, Judith Gail; Donaldson, Joyann Susan;  
Freeman-Cook, Kevin Daniel; Jalaie, Mehran; Jeffreys, Matthew Scott;  
Kaiser, Stephen Elliott; Kath, John Charles; Montgomery, Timothy Patrick;  
Nair, Sajiv Krishnan; Patman, Ryan Lloyd; Tran, Khanh Tuan; Wisniewska,  
Hanna Maria; Zhou, Ru  
PA Pfizer Inc., USA  
UO PFIZER INC  
UOS Pfizer  
SO PCT Int. Appl., 300pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

|      | PATENT NO.       | KIND | DATE     | APPLICATION NO. | DATE     |
|------|------------------|------|----------|-----------------|----------|
|      | -----            | ---- | -----    | -----           | -----    |
| PI   | WO 2024074977    | A1   | 20240411 | WO 2023-IB59856 | 20231002 |
| PRAI | US 2022-63378283 |      | 20221004 |                 |          |
|      | US 2023-63479647 |      | 20230112 |                 |          |
|      | US 2023-63583684 |      | 20230919 |                 |          |

PSPI

|  | PATENT NO.    | KIND | STATUS | STATUS DATE |
|--|---------------|------|--------|-------------|
|  | -----         | ---- | -----  | -----       |
|  | WO 2024074977 | A1   | Alive  | 20240418    |

L6 ANSWER 2 OF 17 MARPAT COPYRIGHT 2024 ACS on STN  
[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)  
AN 178:58066 MARPAT [Full-text](#)  
TI Methods of treating respiratory diseases using c5a inhibitors  
IN Cappel, Markus J.  
PA ChemoCentryx, Inc., USA  
UO AMGEN INC  
UOS Amgen  
SO U.S. Pat. Appl. Publ., 21pp.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 1

|      | PATENT NO.       | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|------------------|------|----------|------------------|----------|
|      | -----            | ---- | -----    | -----            | -----    |
| PI   | US 20220047592   | A1   | 20220217 | US 2021-17400257 | 20210812 |
| PRAI | US 2020-63064991 |      | 20200813 |                  |          |

PSPI

|  | PATENT NO.     | KIND | STATUS | STATUS DATE |
|--|----------------|------|--------|-------------|
|  | -----          | ---- | -----  | -----       |
|  | US 20220047592 | A1   | Dead   | 20240606    |

L6 ANSWER 3 OF 17 MARPAT COPYRIGHT 2024 ACS on STN  
[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)  
AN 174:137366 MARPAT [Full-text](#)  
TI Preparation of 3-cyclopropyl-3-(3-acyloxyphenyl)propanoic acid derivatives  
as Gpr40 agonists  
IN Sebhat, Iyassu; He, Shuwen  
PA Kallyope, Inc., USA  
UO KALLYOPE INC

UOS KALLYOPE INC  
SO PCT Int. Appl., 154pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

|       | PATENT NO.       | KIND | DATE     | APPLICATION NO.  | DATE     |
|-------|------------------|------|----------|------------------|----------|
| ----- |                  |      |          |                  |          |
| PI    | WO 2020242943    | A1   | 20201203 | WO 2020-US34226  | 20200522 |
|       | EP 3976576       | A1   | 20220406 | EP 2020-812643   | 20200522 |
|       | US 20220226298   | A1   | 20220721 | US 2021-17614100 | 20211124 |
| PRAI  | US 2019-62854249 |      | 20190529 |                  |          |
|       | WO 2020-US34226  |      | 20200522 |                  |          |

|       |                |      |              |             |
|-------|----------------|------|--------------|-------------|
| PSPI  | PATENT NO.     | KIND | STATUS       | STATUS DATE |
| ----- |                |      |              |             |
|       | WO 2020242943  | A1   | Dead         | 20240125    |
|       | EP 3976576     | A1   | Transitional | 20240606    |
|       | US 20220226298 | A1   | Alive        | 20220728    |

OS CASREACT 174:137366  
RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 17 MARPAT COPYRIGHT 2024 ACS on STN  
[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)  
AN 173:772539 MARPAT [Full-text](#)  
TI Preparation of chroman derivatives having estrogen receptor degradation activity and uses thereof  
IN Fan, Jie; Qian, Yimin; He, Wei; Liu, Ke  
PA Accutar Biotechnology Inc., USA  
UO ACCUTAR BIOTECHNOLOGY INC  
UOS ACCUTAR BIOTECHNOLOGY INC  
SO U.S., 86pp.  
CODEN: USXXAM

|         |                  |      |          |                     |          |
|---------|------------------|------|----------|---------------------|----------|
| DT      | Patent           |      |          |                     |          |
| LA      | English          |      |          |                     |          |
| FAN.CNT | 1                |      |          |                     |          |
|         | PATENT NO.       | KIND | DATE     | APPLICATION NO.     | DATE     |
|         | -----            | ---- | -----    | -----               | -----    |
| PI      | US 10800770      | B1   | 20201013 | US 2020-16846492    | 20200413 |
|         | EP 3835298       | A1   | 20210616 | EP 2020-169240      | 20200413 |
|         | EP 3835298       | B1   | 20240626 |                     |          |
|         | CA 3164202       | A1   | 20210617 | CA 2020-3164202     | 20200413 |
|         | WO 2021118629    | A1   | 20210617 | WO 2020-US27895     | 20200413 |
|         | SG 11202250233   | A    | 20220715 | SG 2022-11202250233 | 20200413 |
|         | KR 2022118460    | A    | 20220825 | KR 2022-7023616     | 20200413 |
|         | CN 115003295     | A    | 20220902 | CN 2020-80092528    | 20200413 |
|         | JP 2023506155    | T    | 20230215 | JP 2022-535123      | 20200413 |
|         | EP 4420728       | A2   | 20240828 | EP 2024-170522      | 20200413 |
|         | US 20210221802   | A1   | 20210722 | US 2020-16907548    | 20200622 |
|         | US 11261178      | B2   | 20220301 |                     |          |
| PRAI    | US 2019-62947213 |      | 20191212 |                     |          |
|         | EP 2020-169240   |      | 20200413 |                     |          |
|         | US 2020-16846492 |      | 20200413 |                     |          |
|         | WO 2020-US27895  |      | 20200413 |                     |          |

|       |                |      |               |             |
|-------|----------------|------|---------------|-------------|
| PSPI  | PATENT NO.     | KIND | STATUS        | STATUS DATE |
| ----- |                |      |               |             |
|       | US 10800770    | B1   | Alive         | 20201121    |
|       | EP 3835298     | A1   | Indeterminate | 20240627    |
|       | EP 3835298     | B1   | Indeterminate | 20240627    |
|       | CA 3164202     | A1   | Alive         | 20220721    |
|       | WO 2021118629  | A1   | Dead          | 20231214    |
|       | KR 2022118460  | A    | Alive         | 20220915    |
|       | CN 115003295   | A    | Alive         | 20220908    |
|       | JP 2023506155  | T    | Alive         | 20230302    |
|       | EP 4420728     | A2   | Alive         | 20240829    |
|       | US 20210221802 | A1   | Alive         | 20210729    |
|       | US 11261178    | B2   | Alive         | 20220310    |

OS CASREACT 173:772539  
RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 170:341021 MARPAT Full-text

TI Preparation of benzimidazoles as potassium channel inhibitors useful in treatment of cardiac diseases

IN Soerensen, Ulrik Svane; Mete, Anthonio

PA Acesion Pharma Aps, Den.

UO NOVO HOLDINGS A/S

UOS Novo Holdings

SO PCT Int. Appl., 90pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

|      | PATENT NO.      | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|-----------------|------|----------|------------------|----------|
| PI   | WO 2019034603   | A1   | 20190221 | WO 2018-EP71911  | 20180813 |
|      | CA 3072648      | A1   | 20190221 | CA 2018-3072648  | 20180813 |
|      | EP 3668841      | A1   | 20200624 | EP 2018-750455   | 20180813 |
|      | CN 111344281    | A    | 20200626 | CN 2018-80065901 | 20180813 |
|      | CN 111344281    | B    | 20231114 |                  |          |
|      | JP 2020530479   | T    | 20201022 | JP 2020-508323   | 20180813 |
|      | JP 7158464      | B2   | 20221021 |                  |          |
|      | IN 202017002727 | A    | 20200221 | IN 2020-17002727 | 20200121 |
|      | US 20200216398  | A1   | 20200709 | US 2020-16638590 | 20200212 |
|      | US 11098018     | B2   | 20210824 |                  |          |
| PRAI | EP 2017-20353   |      | 20170814 |                  |          |
|      | WO 2018-EP71911 |      | 20180813 |                  |          |

PSPI

| PATENT NO.     | KIND | STATUS | STATUS DATE |
|----------------|------|--------|-------------|
| WO 2019034603  | A1   | Dead   | 20220414    |
| CA 3072648     | A1   | Alive  | 20201121    |
| EP 3668841     | A1   | Alive  | 20201201    |
| CN 111344281   | A    | Alive  | 20201120    |
| CN 111344281   | B    | Alive  | 20231123    |
| JP 2020530479  | T    | Alive  | 20201121    |
| JP 7158464     | B2   | Alive  | 20221103    |
| US 20200216398 | A1   | Alive  | 20201121    |
| US 11098018    | B2   | Alive  | 20210902    |

OS CASREACT 170:341021; CASFORMULTNS 2019:339459

L6 ANSWER 6 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 161:582285 MARPAT Full-text

TI Preparation of diaryl ureas as kinase inhibitors

IN Baker, Thomas Matthew; Fyfe, Matthew Colin Thor; Harbottle, Gareth

William; Hasimbegovic, Vedran; Meghani, Premji; Rigby, Aaron;

Sambrook-Smith, Colin; Thom, Stephen Malcolm

PA TopiVert Pharma Limited, UK; RespiVert Limited

UO OXULAR LTD

UOS Oxular

SO U.S. Pat. Appl. Publ., 141 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 4

|    | PATENT NO.     | KIND | DATE     | APPLICATION NO.  | DATE     |
|----|----------------|------|----------|------------------|----------|
| PI | US 20140296208 | A1   | 20141002 | US 2014-14242741 | 20140401 |
|    | US 9481648     | B2   | 20161101 |                  |          |
|    | US 20140296271 | A1   | 20141002 | US 2014-14242531 | 20140401 |
|    | US 8927563     | B2   | 20150106 |                  |          |
|    | CA 2907663     | A1   | 20141009 | CA 2014-2907663  | 20140401 |
|    | WO 2014162122  | A1   | 20141009 | WO 2014-GB51018  | 20140401 |
|    | WO 2014162126  | A1   | 20141009 | WO 2014-GB51022  | 20140401 |
|    | AU 2014246866  | A1   | 20151001 | AU 2014-246866   | 20140401 |
|    | AU 2014246866  | B2   | 20180510 |                  |          |
|    | AU 2014246870  | A1   | 20151001 | AU 2014-246870   | 20140401 |
|    | AU 2014246870  | B2   | 20180524 |                  |          |
|    | AR 95989       | A1   | 20151125 | AR 2014-101467   | 20140401 |

|                   |    |          |                      |          |
|-------------------|----|----------|----------------------|----------|
| KR 2015136536     | A  | 20151207 | KR 2015-7031292      | 20140401 |
| KR 2283883        | B1 | 20210729 |                      |          |
| KR 2015138855     | A  | 20151210 | KR 2015-7031287      | 20140401 |
| KR 2283876        | B1 | 20210729 |                      |          |
| MX 2015013944     | A  | 20151211 | MX 2015-13944        | 20140401 |
| MX 363949         | B  | 20190408 |                      |          |
| MX 2015013945     | A  | 20151211 | MX 2015-13945        | 20140401 |
| MX 363950         | B  | 20190408 |                      |          |
| CN 105246884      | A  | 20160113 | CN 2014-80031484     | 20140401 |
| CN 105246884      | B  | 20180522 |                      |          |
| IN 2015DN09912    | A  | 20160205 | IN 2015-DN9912       | 20140401 |
| IN 370753         | B  | 20210630 |                      |          |
| EP 2981526        | A1 | 20160210 | EP 2014-715106       | 20140401 |
| EP 2981526        | B1 | 20211103 |                      |          |
| EP 2981535        | A1 | 20160210 | EP 2014-716378       | 20140401 |
| EP 2981535        | B1 | 20201216 |                      |          |
| CN 105408315      | A  | 20160316 | CN 2014-80031577     | 20140401 |
| CN 105408315      | B  | 20180914 |                      |          |
| JP 2016515606     | T  | 20160530 | JP 2016-505888       | 20140401 |
| JP 6495238        | B2 | 20190403 |                      |          |
| JP 2016519680     | T  | 20160707 | JP 2016-505887       | 20140401 |
| JP 6464384        | B2 | 20190206 |                      |          |
| BR 112015024671   | A2 | 20170718 | BR 2015-112015024671 | 20140401 |
| BR 112015024678   | A2 | 20170718 | BR 2015-112015024678 | 20140401 |
| BR 112015024678   | B1 | 20230223 |                      |          |
| EA 27782          | B1 | 20170831 | EA 2015-91907        | 20140401 |
| EA 30483          | B1 | 20180831 | EA 2015-91906        | 20140401 |
| TW I641592        | B  | 20181121 | TW 2014-112073       | 20140401 |
| KR 2021096313     | A  | 20210804 | KR 2021-7023664      | 20140401 |
| KR 2340654        | B1 | 20211216 |                      |          |
| ES 2856902        | T3 | 20210928 | ES 2014-716378       | 20140401 |
| ES 2904277        | T3 | 20220404 | ES 2014-715106       | 20140401 |
| US 20150166483    | A1 | 20150618 | US 2015-14626548     | 20150219 |
| IN 2015DN09911    | A  | 20160205 | IN 2015-DN9911       | 20151022 |
| US 20160376232    | A1 | 20161229 | US 2016-15261174     | 20160909 |
| US 9790174        | B2 | 20171017 |                      |          |
| US 20180044288    | A1 | 20180215 | US 2017-15726241     | 20171005 |
| US 10435361       | B2 | 20191008 |                      |          |
| PRAI GB 2013-5945 |    | 20130402 |                      |          |
| GB 2013-22678     |    | 20131220 |                      |          |
| GB 2014-2647      |    | 20140214 |                      |          |
| GB 2013-14700     |    | 20130816 |                      |          |
| KR 2015-7031292   |    | 20140401 |                      |          |
| US 2014-14242741  |    | 20140401 |                      |          |
| WO 2014-GB51018   |    | 20140401 |                      |          |
| WO 2014-GB51022   |    | 20140401 |                      |          |
| US 2016-15261174  |    | 20160909 |                      |          |

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| PATENT NO.     | KIND | STATUS       | STATUS DATE |
|----------------|------|--------------|-------------|
| US 20140296208 | A1   | Alive        | 20201121    |
| US 9481648     | B2   | Alive        | 20201121    |
| US 20140296271 | A1   | Alive        | 20201121    |
| US 8927563     | B2   | Alive        | 20201121    |
| CA 2907663     | A1   | Dead         | 20231123    |
| WO 2014162122  | A1   | Dead         | 20201201    |
| WO 2014162126  | A1   | Dead         | 20201202    |
| AU 2014246866  | A1   | Dead         | 20240502    |
| AU 2014246866  | B2   | Dead         | 20240502    |
| AU 2014246870  | A1   | Dead         | 20240502    |
| AU 2014246870  | B2   | Dead         | 20240502    |
| AR 95989       | A1   | Alive        | 20201121    |
| KR 2015136536  | A    | Alive        | 20210520    |
| KR 2283883     | B1   | Alive        | 20210820    |
| KR 2015138855  | A    | Alive        | 20210520    |
| KR 2283876     | B1   | Alive        | 20210820    |
| MX 2015013944  | A    | Alive        | 20201121    |
| MX 363949      | B    | Alive        | 20201121    |
| MX 2015013945  | A    | Alive        | 20201121    |
| MX 363950      | B    | Alive        | 20201121    |
| CN 105246884   | A    | Transitional | 20240502    |
| CN 105246884   | B    | Transitional | 20240502    |

|    |                     |    |               |          |
|----|---------------------|----|---------------|----------|
| EP | 2981526             | A1 | Indeterminate | 20211123 |
| EP | 2981526             | B1 | Indeterminate | 20211123 |
| EP | 2981535             | A1 | Indeterminate | 20201217 |
| EP | 2981535             | B1 | Indeterminate | 20201217 |
| CN | 105408315           | A  | Transitional  | 20240502 |
| CN | 105408315           | B  | Transitional  | 20240502 |
| JP | 2016515606          | T  | Dead          | 20231214 |
| JP | 6495238             | B2 | Dead          | 20231214 |
| JP | 2016519680          | T  | Alive         | 20201121 |
| JP | 6464384             | B2 | Alive         | 20201121 |
| BR | 112015024671        | A2 | Dead          | 20230907 |
| BR | 112015024678        | A2 | Dead          | 20240725 |
| BR | 112015024678        | B1 | Dead          | 20240725 |
| EA | 27782               | B1 | Indeterminate | 20210208 |
| EA | 30483               | B1 | Indeterminate | 20210208 |
| TW | I641592             | B  | Dead          | 20240222 |
| KR | 2021096313          | A  | Alive         | 20210902 |
| KR | 2340654             | B1 | Alive         | 20220120 |
| ES | 2856902             | T3 | Alive         | 20211007 |
| ES | 2904277             | T3 | Alive         | 20220421 |
| US | 20150166483         | A1 | Dead          | 20201121 |
| US | 20160376232         | A1 | Alive         | 20201121 |
| US | 9790174             | B2 | Alive         | 20201120 |
| US | 20180044288         | A1 | Alive         | 20201120 |
| US | 10435361            | B2 | Alive         | 20201121 |
| OS | CASREACT 161:582285 |    |               |          |

L6 ANSWER 7 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 161:141542 MARPAT [Full-text](#)

TI Preparation of BET-protein-inhibiting dihydroquinoxalinones useful in treatment of hyperproliferative diseases

IN Schmees, Norbert; Haendler, Bernard; Stoeckigt, Detlef; Gallenkamp, Daniel

PA Bayer Pharma Aktiengesellschaft, Germany

UO BAYER AG

UOS Bayer

SO PCT Int. Appl., 142pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 2

|      | PATENT NO.      | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|-----------------|------|----------|------------------|----------|
|      | -----           | ---- | -----    | -----            | -----    |
| PI   | WO 2014095775   | A1   | 20140626 | WO 2013-EP76785  | 20131217 |
|      | CA 2895426      | A1   | 20140626 | CA 2013-2895426  | 20131217 |
|      | CN 104995190    | A    | 20151021 | CN 2013-80073179 | 20131217 |
|      | EP 2935261      | A1   | 20151028 | EP 2013-807999   | 20131217 |
|      | JP 2016509576   | T    | 20160331 | JP 2015-548422   | 20131217 |
|      | US 20150344444  | A1   | 20151203 | US 2015-14654576 | 20150622 |
| PRAI | EP 2012-198623  |      | 20121220 |                  |          |
|      | EP 2013-187778  |      | 20131008 |                  |          |
|      | EP 2013-189263  |      | 20131018 |                  |          |
|      | WO 2013-EP76785 |      | 20131217 |                  |          |

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| PATENT NO.     | KIND | STATUS | STATUS DATE |
|----------------|------|--------|-------------|
| -----          | ---- | -----  | -----       |
| WO 2014095775  | A1   | Dead   | 20201202    |
| CA 2895426     | A1   | Dead   | 20201120    |
| CN 104995190   | A    | Dead   | 20201121    |
| EP 2935261     | A1   | Dead   | 20201202    |
| JP 2016509576  | T    | Alive  | 20201121    |
| US 20150344444 | A1   | Dead   | 20201120    |

OS CASREACT 161:141542

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L6 ANSWER 1 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 186:283407 MARPAT [Full-text](#)

TI 1H-Pyrazolopyridine and pyrazolopyrimidine derivatives as CBL-B inhibitors and their preparation

IN Cho-Schultz, Sujin; Deal, Judith Gail; Donaldson, Joyann Susan; Freeman-Cook, Kevin Daniel; Jalaie, Mehran; Jeffreys, Matthew Scott; Kaiser, Stephen Elliott; Kath, John Charles; Montgomery, Timothy Patrick; Nair, Sajiv Krishnan; Patman, Ryan Lloyd; Tran, Khanh Tuan; Wisniewska, Hanna Maria; Zhou, Ru

PA Pfizer Inc., USA

UO PFIZER INC

UOS Pfizer

SO PCT Int. Appl., 300pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

|      | PATENT NO.       | KIND | DATE     | APPLICATION NO. | DATE     |
|------|------------------|------|----------|-----------------|----------|
| PI   | WO 2024074977    | A1   | 20240411 | WO 2023-IB59856 | 20231002 |
| PRAI | US 2022-63378283 |      | 20221004 |                 |          |
|      | US 2023-63479647 |      | 20230112 |                 |          |
|      | US 2023-63583684 |      | 20230919 |                 |          |

PSPI

| PATENT NO.    | KIND | STATUS | STATUS DATE |
|---------------|------|--------|-------------|
| WO 2024074977 | A1   | Alive  | 20240418    |

L6 ANSWER 2 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 178:58066 MARPAT [Full-text](#)

TI Methods of treating respiratory diseases using c5a inhibitors

IN Cappel, Markus J.

PA ChemoCentryx, Inc., USA

UO AMGEN INC

UOS Amgen

SO U.S. Pat. Appl. Publ., 21pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

|      | PATENT NO.       | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|------------------|------|----------|------------------|----------|
| PI   | US 20220047592   | A1   | 20220217 | US 2021-17400257 | 20210812 |
| PRAI | US 2020-63064991 |      | 20200813 |                  |          |

PSPI

| PATENT NO.     | KIND | STATUS | STATUS DATE |
|----------------|------|--------|-------------|
| US 20220047592 | A1   | Dead   | 20240606    |

L6 ANSWER 3 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 174:137366 MARPAT [Full-text](#)

TI Preparation of 3-cyclopropyl-3-(3-acyloxyphenyl)propanoic acid derivatives as Gpr40 agonists

IN Sebhat, Iyassu; He, Shuwen

PA Kallyope, Inc., USA

UO KALLYOPE INC

UOS KALLYOPE INC

SO PCT Int. Appl., 154pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

|      | PATENT NO.       | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|------------------|------|----------|------------------|----------|
| PI   | WO 2020242943    | A1   | 20201203 | WO 2020-US34226  | 20200522 |
|      | EP 3976576       | A1   | 20220406 | EP 2020-812643   | 20200522 |
|      | US 20220226298   | A1   | 20220721 | US 2021-17614100 | 20211124 |
| PRAI | US 2019-62854249 |      | 20190529 |                  |          |
|      | WO 2020-US34226  |      | 20200522 |                  |          |

PSPI

| PATENT NO.     | KIND | STATUS       | STATUS DATE |
|----------------|------|--------------|-------------|
| WO 2020242943  | A1   | Dead         | 20240125    |
| EP 3976576     | A1   | Transitional | 20240606    |
| US 20220226298 | A1   | Alive        | 20220728    |

OS CASREACT 174:137366

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 17 MARPAT COPYRIGHT 2024 ACS on STN  
[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)  
AN 173:772539 MARPAT [Full-text](#)  
TI Preparation of chroman derivatives having estrogen receptor degradation activity and uses thereof  
IN Fan, Jie; Qian, Yimin; He, Wei; Liu, Ke  
PA Accutar Biotechnology Inc., USA  
UO ACCUTAR BIOTECHNOLOGY INC  
UOS ACCUTAR BIOTECHNOLOGY INC  
SO U.S., 86pp.  
CODEN: USXXAM  
DT Patent  
LA English  
FAN.CNT 1

|      | PATENT NO.       | KIND | DATE     | APPLICATION NO.     | DATE     |
|------|------------------|------|----------|---------------------|----------|
| PI   | US 10800770      | B1   | 20201013 | US 2020-16846492    | 20200413 |
|      | EP 3835298       | A1   | 20210616 | EP 2020-169240      | 20200413 |
|      | EP 3835298       | B1   | 20240626 |                     |          |
|      | CA 3164202       | A1   | 20210617 | CA 2020-3164202     | 20200413 |
|      | WO 2021118629    | A1   | 20210617 | WO 2020-US27895     | 20200413 |
|      | SG 11202250233   | A    | 20220715 | SG 2022-11202250233 | 20200413 |
|      | KR 2022118460    | A    | 20220825 | KR 2022-7023616     | 20200413 |
|      | CN 115003295     | A    | 20220902 | CN 2020-80092528    | 20200413 |
|      | JP 2023506155    | T    | 20230215 | JP 2022-535123      | 20200413 |
|      | EP 4420728       | A2   | 20240828 | EP 2024-170522      | 20200413 |
|      | US 20210221802   | A1   | 20210722 | US 2020-16907548    | 20200622 |
|      | US 11261178      | B2   | 20220301 |                     |          |
| PRAI | US 2019-62947213 |      | 20191212 |                     |          |
|      | EP 2020-169240   |      | 20200413 |                     |          |
|      | US 2020-16846492 |      | 20200413 |                     |          |
|      | WO 2020-US27895  |      | 20200413 |                     |          |

PSPI

| PATENT NO.     | KIND | STATUS        | STATUS DATE |
|----------------|------|---------------|-------------|
| US 10800770    | B1   | Alive         | 20201121    |
| EP 3835298     | A1   | Indeterminate | 20240627    |
| EP 3835298     | B1   | Indeterminate | 20240627    |
| CA 3164202     | A1   | Alive         | 20220721    |
| WO 2021118629  | A1   | Dead          | 20231214    |
| KR 2022118460  | A    | Alive         | 20220915    |
| CN 115003295   | A    | Alive         | 20220908    |
| JP 2023506155  | T    | Alive         | 20230302    |
| EP 4420728     | A2   | Alive         | 20240829    |
| US 20210221802 | A1   | Alive         | 20210729    |
| US 11261178    | B2   | Alive         | 20220310    |

OS CASREACT 173:772539

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 17 MARPAT COPYRIGHT 2024 ACS on STN  
[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)  
AN 170:341021 MARPAT [Full-text](#)  
TI Preparation of benzimidazoles as potassium channel inhibitors useful in treatment of cardiac diseases  
IN Soerensen, Ulrik Svane; Mete, Anthonio  
PA Acesion Pharma Aps, Den.  
UO NOVO HOLDINGS A/S  
UOS Novo Holdings  
SO PCT Int. Appl., 90pp.  
CODEN: PIXXD2  
DT Patent  
LA English

FAN.CNT 1

|      | PATENT NO.      | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|-----------------|------|----------|------------------|----------|
| PI   | WO 2019034603   | A1   | 20190221 | WO 2018-EP71911  | 20180813 |
|      | CA 3072648      | A1   | 20190221 | CA 2018-3072648  | 20180813 |
|      | EP 3668841      | A1   | 20200624 | EP 2018-750455   | 20180813 |
|      | CN 111344281    | A    | 20200626 | CN 2018-80065901 | 20180813 |
|      | CN 111344281    | B    | 20231114 |                  |          |
|      | JP 2020530479   | T    | 20201022 | JP 2020-508323   | 20180813 |
|      | JP 7158464      | B2   | 20221021 |                  |          |
|      | IN 202017002727 | A    | 20200221 | IN 2020-17002727 | 20200121 |
|      | US 20200216398  | A1   | 20200709 | US 2020-16638590 | 20200212 |
|      | US 11098018     | B2   | 20210824 |                  |          |
| PRAI | EP 2017-20353   |      | 20170814 |                  |          |
|      | WO 2018-EP71911 |      | 20180813 |                  |          |

PSPI

|  | PATENT NO.     | KIND | STATUS | STATUS DATE |
|--|----------------|------|--------|-------------|
|  | WO 2019034603  | A1   | Dead   | 20220414    |
|  | CA 3072648     | A1   | Alive  | 20201121    |
|  | EP 3668841     | A1   | Alive  | 20201201    |
|  | CN 111344281   | A    | Alive  | 20201120    |
|  | CN 111344281   | B    | Alive  | 20231123    |
|  | JP 2020530479  | T    | Alive  | 20201121    |
|  | JP 7158464     | B2   | Alive  | 20221103    |
|  | US 20200216398 | A1   | Alive  | 20201121    |
|  | US 11098018    | B2   | Alive  | 20210902    |

OS CASREACT 170:341021; CASFORMULTNS 2019:339459

L6 ANSWER 6 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)AN 161:582285 MARPAT [Full-text](#)

TI Preparation of diaryl ureas as kinase inhibitors

IN Baker, Thomas Matthew; Fyfe, Matthew Colin Thor; Harbottle, Gareth William; Hasimbegovic, Vedran; Meghani, Premji; Rigby, Aaron; Sambrook-Smith, Colin; Thom, Stephen Malcolm

PA TopiVert Pharma Limited, UK; RespiVert Limited

UO OXULAR LTD

UOS Oxular

SO U.S. Pat. Appl. Publ., 141 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 4

|    | PATENT NO.     | KIND | DATE     | APPLICATION NO.  | DATE     |
|----|----------------|------|----------|------------------|----------|
| PI | US 20140296208 | A1   | 20141002 | US 2014-14242741 | 20140401 |
|    | US 9481648     | B2   | 20161101 |                  |          |
|    | US 20140296271 | A1   | 20141002 | US 2014-14242531 | 20140401 |
|    | US 8927563     | B2   | 20150106 |                  |          |
|    | CA 2907663     | A1   | 20141009 | CA 2014-2907663  | 20140401 |
|    | WO 2014162122  | A1   | 20141009 | WO 2014-GB51018  | 20140401 |
|    | WO 2014162126  | A1   | 20141009 | WO 2014-GB51022  | 20140401 |
|    | AU 2014246866  | A1   | 20151001 | AU 2014-246866   | 20140401 |
|    | AU 2014246866  | B2   | 20180510 |                  |          |
|    | AU 2014246870  | A1   | 20151001 | AU 2014-246870   | 20140401 |
|    | AU 2014246870  | B2   | 20180524 |                  |          |
|    | AR 95989       | A1   | 20151125 | AR 2014-101467   | 20140401 |
|    | KR 2015136536  | A    | 20151207 | KR 2015-7031292  | 20140401 |
|    | KR 2283883     | B1   | 20210729 |                  |          |
|    | KR 2015138855  | A    | 20151210 | KR 2015-7031287  | 20140401 |
|    | KR 2283876     | B1   | 20210729 |                  |          |
|    | MX 2015013944  | A    | 20151211 | MX 2015-13944    | 20140401 |
|    | MX 363949      | B    | 20190408 |                  |          |
|    | MX 2015013945  | A    | 20151211 | MX 2015-13945    | 20140401 |
|    | MX 363950      | B    | 20190408 |                  |          |
|    | CN 105246884   | A    | 20160113 | CN 2014-80031484 | 20140401 |
|    | CN 105246884   | B    | 20180522 |                  |          |
|    | IN 2015DN09912 | A    | 20160205 | IN 2015-DN9912   | 20140401 |
|    | IN 370753      | B    | 20210630 |                  |          |
|    | EP 2981526     | A1   | 20160210 | EP 2014-715106   | 20140401 |
|    | EP 2981526     | B1   | 20211103 |                  |          |

|                   |    |          |                      |          |
|-------------------|----|----------|----------------------|----------|
| EP 2981535        | A1 | 20160210 | EP 2014-716378       | 20140401 |
| EP 2981535        | B1 | 20201216 |                      |          |
| CN 105408315      | A  | 20160316 | CN 2014-80031577     | 20140401 |
| CN 105408315      | B  | 20180914 |                      |          |
| JP 2016515606     | T  | 20160530 | JP 2016-505888       | 20140401 |
| JP 6495238        | B2 | 20190403 |                      |          |
| JP 2016519680     | T  | 20160707 | JP 2016-505887       | 20140401 |
| JP 6464384        | B2 | 20190206 |                      |          |
| BR 112015024671   | A2 | 20170718 | BR 2015-112015024671 | 20140401 |
| BR 112015024678   | A2 | 20170718 | BR 2015-112015024678 | 20140401 |
| BR 112015024678   | B1 | 20230223 |                      |          |
| EA 27782          | B1 | 20170831 | EA 2015-91907        | 20140401 |
| EA 30483          | B1 | 20180831 | EA 2015-91906        | 20140401 |
| TW I641592        | B  | 20181121 | TW 2014-112073       | 20140401 |
| KR 2021096313     | A  | 20210804 | KR 2021-7023664      | 20140401 |
| KR 2340654        | B1 | 20211216 |                      |          |
| ES 2856902        | T3 | 20210928 | ES 2014-716378       | 20140401 |
| ES 2904277        | T3 | 20220404 | ES 2014-715106       | 20140401 |
| US 20150166483    | A1 | 20150618 | US 2015-14626548     | 20150219 |
| IN 2015DN09911    | A  | 20160205 | IN 2015-DN9911       | 20151022 |
| US 20160376232    | A1 | 20161229 | US 2016-15261174     | 20160909 |
| US 9790174        | B2 | 20171017 |                      |          |
| US 20180044288    | A1 | 20180215 | US 2017-15726241     | 20171005 |
| US 10435361       | B2 | 20191008 |                      |          |
| PRAI GB 2013-5945 |    | 20130402 |                      |          |
| GB 2013-22678     |    | 20131220 |                      |          |
| GB 2014-2647      |    | 20140214 |                      |          |
| GB 2013-14700     |    | 20130816 |                      |          |
| KR 2015-7031292   |    | 20140401 |                      |          |
| US 2014-14242741  |    | 20140401 |                      |          |
| WO 2014-GB51018   |    | 20140401 |                      |          |
| WO 2014-GB51022   |    | 20140401 |                      |          |
| US 2016-15261174  |    | 20160909 |                      |          |

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| PATENT NO.      | KIND | STATUS        | STATUS DATE |
|-----------------|------|---------------|-------------|
| US 20140296208  | A1   | Alive         | 20201121    |
| US 9481648      | B2   | Alive         | 20201121    |
| US 20140296271  | A1   | Alive         | 20201121    |
| US 8927563      | B2   | Alive         | 20201121    |
| CA 2907663      | A1   | Dead          | 20231123    |
| WO 2014162122   | A1   | Dead          | 20201201    |
| WO 2014162126   | A1   | Dead          | 20201202    |
| AU 2014246866   | A1   | Dead          | 20240502    |
| AU 2014246866   | B2   | Dead          | 20240502    |
| AU 2014246870   | A1   | Dead          | 20240502    |
| AU 2014246870   | B2   | Dead          | 20240502    |
| AR 95989        | A1   | Alive         | 20201121    |
| KR 2015136536   | A    | Alive         | 20210520    |
| KR 2283883      | B1   | Alive         | 20210820    |
| KR 2015138855   | A    | Alive         | 20210520    |
| KR 2283876      | B1   | Alive         | 20210820    |
| MX 2015013944   | A    | Alive         | 20201121    |
| MX 363949       | B    | Alive         | 20201121    |
| MX 2015013945   | A    | Alive         | 20201121    |
| MX 363950       | B    | Alive         | 20201121    |
| CN 105246884    | A    | Transitional  | 20240502    |
| CN 105246884    | B    | Transitional  | 20240502    |
| EP 2981526      | A1   | Indeterminate | 20211123    |
| EP 2981526      | B1   | Indeterminate | 20211123    |
| EP 2981535      | A1   | Indeterminate | 20201217    |
| EP 2981535      | B1   | Indeterminate | 20201217    |
| CN 105408315    | A    | Transitional  | 20240502    |
| CN 105408315    | B    | Transitional  | 20240502    |
| JP 2016515606   | T    | Dead          | 20231214    |
| JP 6495238      | B2   | Dead          | 20231214    |
| JP 2016519680   | T    | Alive         | 20201121    |
| JP 6464384      | B2   | Alive         | 20201121    |
| BR 112015024671 | A2   | Dead          | 20230907    |
| BR 112015024678 | A2   | Dead          | 20240725    |
| BR 112015024678 | B1   | Dead          | 20240725    |
| EA 27782        | B1   | Indeterminate | 20210208    |

|                |    |               |          |
|----------------|----|---------------|----------|
| EA 30483       | B1 | Indeterminate | 20210208 |
| TW 1641592     | B  | Dead          | 20240222 |
| KR 2021096313  | A  | Alive         | 20210902 |
| KR 2340654     | B1 | Alive         | 20220120 |
| ES 2856902     | T3 | Alive         | 20211007 |
| ES 2904277     | T3 | Alive         | 20220421 |
| US 20150166483 | A1 | Dead          | 20201121 |
| US 20160376232 | A1 | Alive         | 20201121 |
| US 9790174     | B2 | Alive         | 20201120 |
| US 20180044288 | A1 | Alive         | 20201120 |
| US 10435361    | B2 | Alive         | 20201121 |

OS CASREACT 161:582285

L6 ANSWER 7 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 161:141542 MARPAT [Full-text](#)

TI Preparation of BET-protein-inhibiting dihydroquinoxalinones useful in treatment of hyperproliferative diseases

IN Schmees, Norbert; Haendler, Bernard; Stoeckigt, Detlef; Gallenkamp, Daniel

PA Bayer Pharma Aktiengesellschaft, Germany

UO BAYER AG

UOS Bayer

SO PCT Int. Appl., 142pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 2

|      | PATENT NO.      | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|-----------------|------|----------|------------------|----------|
| PI   | WO 2014095775   | A1   | 20140626 | WO 2013-EP76785  | 20131217 |
|      | CA 2895426      | A1   | 20140626 | CA 2013-2895426  | 20131217 |
|      | CN 104995190    | A    | 20151021 | CN 2013-80073179 | 20131217 |
|      | EP 2935261      | A1   | 20151028 | EP 2013-807999   | 20131217 |
|      | JP 2016509576   | T    | 20160331 | JP 2015-548422   | 20131217 |
|      | US 20150344444  | A1   | 20151203 | US 2015-14654576 | 20150622 |
| PRAI | EP 2012-198623  |      | 20121220 |                  |          |
|      | EP 2013-187778  |      | 20131008 |                  |          |
|      | EP 2013-189263  |      | 20131018 |                  |          |
|      | WO 2013-EP76785 |      | 20131217 |                  |          |

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| PATENT NO.     | KIND | STATUS | STATUS DATE |
|----------------|------|--------|-------------|
| WO 2014095775  | A1   | Dead   | 20201202    |
| CA 2895426     | A1   | Dead   | 20201120    |
| CN 104995190   | A    | Dead   | 20201121    |
| EP 2935261     | A1   | Dead   | 20201202    |
| JP 2016509576  | T    | Alive  | 20201121    |
| US 20150344444 | A1   | Dead   | 20201120    |

OS CASREACT 161:141542

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 8 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 159:494865 MARPAT [Full-text](#)

TI Liquid crystal display element

IN Takezoe, Hideo; Aya, Satoshi; Yamashita, Takashi; Okano, Kunihiro

PA Tokyo Institute of Technology, Japan; DIC Corp.; Tokyo University of Science Educational Foundation Administrative Organization

UO NATIONAL UNIVERSITY CORPORATION TOKYO INSTITUTE OF TECHNOLOGY; TOKYO UNIVERSITY OF SCIENCE; DIC CORPORATION

UOS Tokyo Institute of Technology; Tokyo University of Science; DIC Corp

SO U.S. Pat. Appl. Publ., 30pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

|    | PATENT NO.     | KIND | DATE     | APPLICATION NO.  | DATE     |
|----|----------------|------|----------|------------------|----------|
| PI | US 20130235290 | A1   | 20130912 | US 2013-13789072 | 20130307 |
|    | US 10287501    | B2   | 20190514 |                  |          |
|    | JP 2013185110  | A    | 20130919 | JP 2012-52244    | 20120308 |

JP 6209807 B2 20171011  
JP 2017222878 A 20171221 JP 2017-166265 20170830  
JP 6675715 B2 20200401  
PRAI JP 2012-52244 20120308  
PSPI

| PATENT NO.     | KIND | STATUS | STATUS DATE |
|----------------|------|--------|-------------|
| US 20130235290 | A1   | Alive  | 20201120    |
| US 10287501    | B2   | Alive  | 20201120    |
| JP 2013185110  | A    | Alive  | 20201120    |
| JP 6209807     | B2   | Alive  | 20201121    |
| JP 2017222878  | A    | Alive  | 20201121    |
| JP 6675715     | B2   | Alive  | 20201121    |

L6 ANSWER 9 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 158:379603 MARPAT [Full-text](#)

TI Susceptibility of tumor cells to selective CDK9 kinase inhibitors for predicting treatment of NUT midline carcinoma

IN Choidas, Axel; Klebl, Bert; Habenberger, Peter; Eickhoff, Jan; Thomas, Roman; Heuckmann, Johannes

PA Lead Discovery Center GmbH, Germany; Max-Planck-Gesellschaft zur Foerderung der Wissenschaften e.V.

UO BAYER AG

UOS Bayer

SO PCT Int. Appl., 139pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

|      | PATENT NO.      | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|-----------------|------|----------|------------------|----------|
| PI   | WO 2013026890   | A1   | 20130228 | WO 2012-EP66366  | 20120822 |
|      | EP 2562265      | A1   | 20130227 | EP 2011-178334   | 20110822 |
|      | AU 2012298499   | A1   | 20140313 | AU 2012-298499   | 20120822 |
|      | EP 2748331      | A1   | 20140702 | EP 2012-761556   | 20120822 |
|      | EP 2748331      | B1   | 20160302 |                  |          |
|      | US 20140287454  | A1   | 20140925 | US 2014-14240315 | 20140612 |
| PRAI | EP 2011-178334  |      | 20110822 |                  |          |
|      | WO 2012-EP66366 |      | 20120822 |                  |          |

PSPI

| PATENT NO.     | KIND | STATUS        | STATUS DATE |
|----------------|------|---------------|-------------|
| WO 2013026890  | A1   | Dead          | 20201201    |
| EP 2562265     | A1   | Dead          | 20201202    |
| AU 2012298499  | A1   | Dead          | 20201121    |
| EP 2748331     | A1   | Indeterminate | 20201106    |
| EP 2748331     | B1   | Indeterminate | 20201106    |
| US 20140287454 | A1   | Dead          | 20201121    |

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 10 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 157:122922 MARPAT [Full-text](#)

TI Novel inhibitors of matrix metalloproteinases

IN Ferdinandy, Peter; Csont, Tamas Balint; Csonka, Csaba; Kedvesne Kupai, Krisztina; Kovacs, Laszlo; Kis-Tamas, Attila; Takacs, Ferenc Tamas; Konya, Denes; Medgyes, Gabor; Cseh, Sandor; Hajdu, Istvan; Lorincz, Zsolt; Dorman, Gyoergy; Goerbe, Aniko

PA Pharmahungary 2000 Kft., Hung.; Infarmatik Kft.; Targetex Kft.

UO TARGETEX KFT; PHARMAHUNGARY 2000 KFT

UOS TARGETEX KFT; PHARMAHUNGARY 2000 KFT

SO PCT Int. Appl., 65 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

|    | PATENT NO.    | KIND | DATE     | APPLICATION NO.  | DATE     |
|----|---------------|------|----------|------------------|----------|
| PI | WO 2012080762 | A1   | 20120621 | WO 2011-HU127    | 20111219 |
|    | CN 103347516  | A    | 20131009 | CN 2011-80061275 | 20111219 |

CN 103347516 B 20151014  
EP 2651413 A1 20131023 EP 2011-811113 20111219  
EP 2651413 B1 20171122  
JP 2014503529 T 20140213 JP 2013-543888 20111219  
US 20130303572 A1 20131114 US 2013-13990684 20130801  
US 9487462 B2 20161108  
PRAI HU 2010-676 20101217  
WO 2011-HU127 20111219

PSPI

| PATENT NO.     | KIND | STATUS        | STATUS DATE |
|----------------|------|---------------|-------------|
| WO 2012080762  | A1   | Dead          | 20201202    |
| CN 103347516   | A    | Dead          | 20240704    |
| CN 103347516   | B    | Dead          | 20240704    |
| EP 2651413     | A1   | Indeterminate | 20201107    |
| EP 2651413     | B1   | Indeterminate | 20201106    |
| JP 2014503529  | T    | Alive         | 20201121    |
| US 20130303572 | A1   | Alive         | 20201121    |
| US 9487462     | B2   | Alive         | 20201121    |

OS CASREACT 157:122922; CASFORMULTNS 2012:880302

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 11 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#)

AN 154:30363 MARPAT [Full-text](#)

TI Preparation of (indolyloxy)pyridine derivatives as collagen production inhibitors for the treatment of tumors

IN Sumida, Takumi; Tabusa, Fujio; Sekiguchi, Kazuo; Kodama, Kenji; Yasumura, Koichi; Kojima, Hiroshi; Motoyama, Masaki; Miyajima, Keisuke; Yoshida, Kenji; Kan, Keizo; Sakamoto, Makoto; Takasu, Hideki; Nakagawa, Takashi; Oi, Naoto; Harada, Yasuo; Hashimoto, Norikazu; Matsuyama, Hironori; Iida, Masatoshi; Fujita, Shigekazu; Fukushima, Tae

PA Otsuka Pharmaceutical Co., Ltd., Japan

UO OTSUKA HOLDINGS CO LTD

UOS Otsuka Holdings

SO Jpn. Kokai Tokkyo Koho, 226pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

| PATENT NO.          | KIND | DATE     | APPLICATION NO. | DATE     |
|---------------------|------|----------|-----------------|----------|
| JP 2010275302       | A    | 20101209 | JP 2010-102797  | 20100428 |
| JP 5688918          | B2   | 20150325 |                 |          |
| PRAI JP 2009-109389 |      | 20090428 |                 |          |

PSPI

| PATENT NO.    | KIND | STATUS | STATUS DATE |
|---------------|------|--------|-------------|
| JP 2010275302 | A    | Dead   | 20201121    |
| JP 5688918    | B2   | Dead   | 20201121    |

OS CASREACT 154:30363

L6 ANSWER 12 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 153:571793 MARPAT [Full-text](#)

TI Ex-vivo treatment of immunological disorders with PKC-theta inhibitors

IN Brown, Maryanne; Dustin, Michael; Zanin-Zhorov, Alexandra

PA Boehringer Ingelheim International GmbH, Germany; New York University

UO NEW YORK UNIVERSITY

UOS New York University

SO PCT Int. Appl., 31pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| PATENT NO.    | KIND | DATE     | APPLICATION NO. | DATE     |
|---------------|------|----------|-----------------|----------|
| WO 2010126967 | A1   | 20101104 | WO 2010-US32707 | 20100428 |
| CA 2760305    | A1   | 20101104 | CA 2010-2760305 | 20100428 |
| AU 2010241701 | A1   | 20111013 | AU 2010-241701  | 20100428 |
| KR 2012005460 | A    | 20120116 | KR 2011-7023974 | 20100428 |

|                       |    |          |                  |          |
|-----------------------|----|----------|------------------|----------|
| CN 102421435          | A  | 20120418 | CN 2010-80018520 | 20100428 |
| EP 2445503            | A1 | 20120502 | EP 2010-717377   | 20100428 |
| JP 2012525403         | T  | 20121022 | JP 2012-508629   | 20100428 |
| IL 215939             | A  | 20130131 | IL 2010-215939   | 20100428 |
| NZ 595331             | A  | 20130830 | NZ 2010-595331   | 20100428 |
| BR 2010014775         | A2 | 20160419 | BR 2010-14775    | 20100428 |
| MX 2011011290         | A  | 20120213 | MX 2011-11290    | 20111026 |
| CL 2011002690         | A1 | 20120427 | CL 2011-2690     | 20111027 |
| IN 2011DN09288        | A  | 20130222 | IN 2011-DN9288   | 20111125 |
| US 20120196919        | A1 | 20120802 | US 2012-13266757 | 20120420 |
| PRAI US 2009-61173237 |    | 20090428 |                  |          |
| WO 2010-US32707       |    | 20100428 |                  |          |

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| PATENT NO.     | KIND | STATUS | STATUS DATE |
|----------------|------|--------|-------------|
| -----          | ---- | -----  | -----       |
| WO 2010126967  | A1   | Dead   | 20201202    |
| CA 2760305     | A1   | Dead   | 20201121    |
| AU 2010241701  | A1   | Dead   | 20201121    |
| KR 2012005460  | A    | Dead   | 20201121    |
| CN 102421435   | A    | Dead   | 20201121    |
| EP 2445503     | A1   | Dead   | 20201202    |
| JP 2012525403  | T    | Alive  | 20201120    |
| IL 215939      | A    | Alive  | 20230112    |
| NZ 595331      | A    | Dead   | 20201120    |
| BR 2010014775  | A2   | Dead   | 20201121    |
| MX 2011011290  | A    | Dead   | 20201121    |
| CL 2011002690  | A1   | Alive  | 20201121    |
| US 20120196919 | A1   | Dead   | 20201121    |

RE.CNT 5      THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6      ANSWER 13 OF 17      MARPAT      COPYRIGHT 2024 ACS on STN

AN      153:481035      MARPAT [Full-text](#)  
 TI      Quinazolinedione derivatives as PDE inhibitors and their preparation and  
          use in the treatment of central and peripheral nervous system disorder  
 IN      Marciniak, Gilbert; Nave, Jean-Francois; Viviani, Fabrice  
 PA      Sanofi-Aventis, Fr.  
 UO      SANOFI  
 UOS      Sanofi  
 SO      PCT Int. Appl., 157pp.  
          CODEN: PIXXD2  
 DT      Patent  
 LA      French  
 FAN.CNT 2

|    | PATENT NO.     | KIND | DATE     | APPLICATION NO.  | DATE     |
|----|----------------|------|----------|------------------|----------|
|    | -----          | ---- | -----    | -----            | -----    |
| PI | WO 2010109148  | A1   | 20100930 | WO 2010-FR50549  | 20100325 |
|    | FR 2943673     | A1   | 20101001 | FR 2009-1460     | 20090327 |
|    | FR 2943673     | B1   | 20130329 |                  |          |
|    | CA 2756645     | A1   | 20100930 | CA 2010-2756645  | 20100325 |
|    | AU 2010227359  | A1   | 20111020 | AU 2010-227359   | 20100325 |
|    | AU 2010227359  | B2   | 20160804 |                  |          |
|    | KR 2012003904  | A    | 20120111 | KR 2011-7025278  | 20100325 |
|    | KR 1686263     | B1   | 20161213 |                  |          |
|    | EP 2411009     | A1   | 20120201 | EP 2010-715983   | 20100325 |
|    | EP 2411009     | B1   | 20130320 |                  |          |
|    | CN 102448461   | A    | 20120509 | CN 2010-80023180 | 20100325 |
|    | CN 102448461   | B    | 20140806 |                  |          |
|    | JP 2012521974  | T    | 20120920 | JP 2012-501361   | 20100325 |
|    | JP 5654559     | B2   | 20150114 |                  |          |
|    | IL 215368      | A    | 20130131 | IL 2010-215368   | 20100325 |
|    | NZ 595405      | A    | 20130328 | NZ 2010-595405   | 20100325 |
|    | ES 2411880     | T3   | 20130709 | ES 2010-715983   | 20100325 |
|    | BR 2010014688  | A2   | 20160412 | BR 2010-14688    | 20100325 |
|    | EA 23670       | B1   | 20160630 | EA 2011-71172    | 20100325 |
|    | IN 2011KN03919 | A    | 20120525 | IN 2011-KN3919   | 20110921 |
|    | MX 2011010150  | A    | 20111214 | MX 2011-10150    | 20110927 |
|    | MA 33218       | B1   | 20120402 | MA 2011-34279    | 20111019 |
|    | US 20120058987 | A1   | 20120308 | US 2011-13259888 | 20111031 |
|    | US 8748441     | B2   | 20140610 |                  |          |
|    | HK 1164721     | A1   | 20131108 | HK 2012-105551   | 20120607 |

SM 2013000067 B 20130906 SM 2013-67 20130619  
PRAI FR 2009-1460 20090327  
WO 2010-FR50549 20100325

PSPI

| PATENT NO.     | KIND | STATUS        | STATUS DATE |
|----------------|------|---------------|-------------|
| WO 2010109148  | A1   | Dead          | 20201202    |
| FR 2943673     | A1   | Dead          | 20201120    |
| FR 2943673     | B1   | Dead          | 20201121    |
| CA 2756645     | A1   | Dead          | 20201121    |
| AU 2010227359  | A1   | Dead          | 20201120    |
| AU 2010227359  | B2   | Dead          | 20201120    |
| KR 2012003904  | A    | Alive         | 20201121    |
| KR 1686263     | B1   | Alive         | 20201121    |
| EP 2411009     | A1   | Indeterminate | 20201106    |
| EP 2411009     | B1   | Indeterminate | 20201106    |
| CN 102448461   | A    | Dead          | 20201120    |
| CN 102448461   | B    | Dead          | 20201120    |
| JP 2012521974  | T    | Dead          | 20201121    |
| JP 5654559     | B2   | Dead          | 20201121    |
| IL 215368      | A    | Alive         | 20230112    |
| NZ 595405      | A    | Dead          | 20201120    |
| ES 2411880     | T3   | Alive         | 20201121    |
| BR 2010014688  | A2   | Dead          | 20201121    |
| EA 23670       | B1   | Indeterminate | 20210208    |
| MX 2011010150  | A    | Alive         | 20201121    |
| MA 33218       | B1   | Alive         | 20201121    |
| US 20120058987 | A1   | Dead          | 20230119    |
| US 8748441     | B2   | Dead          | 20230119    |
| HK 1164721     | A1   | Dead          | 20201121    |
| SM 2013000067  | B    | Alive         | 20201121    |

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 14 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 143:172645 MARPAT [Full-text](#)

TI Catalytic hydrogenation of nitriles in dipolar aprotic solvent the presence of palladium/carbon catalyst and a strong anhydrous acid to produce capsaicinoid derivatives and amine compounds, particularly DA-5018, and methods for purifying and obtaining the polymorphs thereof

IN Meckler, Harold; Popp, Karl F.; Mobeles, Bingidimi I.; Isbester, Paul K.; Elder, Bruce J.; Vogt, Paul F.; Littler, Benjamin J.; Eastham, Stephen A.; Reed, David P.; Ulysse, Luckner G.; Uttley, Michael D.

PA Stiefel Laboratories, Inc., USA

UO GLAXOSMITHKLINE PLC

UOS GlaxoSmithKline

SO PCT Int. Appl., 189 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

| PATENT NO.            | KIND | DATE     | APPLICATION NO. | DATE     |
|-----------------------|------|----------|-----------------|----------|
| WO 2005068414         | A1   | 20050728 | WO 2004-US28153 | 20040927 |
| US 20060047171        | A1   | 20060302 | US 2004-927493  | 20040827 |
| CA 2551128            | A1   | 20050728 | CA 2004-2551128 | 20040927 |
| EP 1697303            | A1   | 20060906 | EP 2004-782593  | 20040927 |
| BR 2004018038         | A    | 20070417 | BR 2004-18038   | 20040927 |
| MX 2006007116         | A    | 20061208 | MX 2006-7116    | 20060621 |
| PRAI US 2003-60530985 |      | 20031222 |                 |          |
| WO 2004-US28153       |      | 20040927 |                 |          |

PSPI

| PATENT NO.     | KIND | STATUS | STATUS DATE |
|----------------|------|--------|-------------|
| WO 2005068414  | A1   | Dead   | 20201201    |
| US 20060047171 | A1   | Dead   | 20201121    |
| CA 2551128     | A1   | Dead   | 20201121    |
| EP 1697303     | A1   | Dead   | 20201203    |
| BR 2004018038  | A    | Dead   | 20201121    |

OS CASREACT 143:172645

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD

## ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 15 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#)AN 138:73179 MARPAT [Full-text](#)TI Preparation of phenylvinyl-nicotinic acid derivatives for therapeutic use  
glucokinase (GLK) activatorsIN Hayter, Barry Raymond; Currie, Gordon Stuart; Hargreaves, Rodney Brian;  
Caulkett, Peter William Rodney; James, Roger

PA AstraZeneca AB, Swed.; AstraZeneca UK Limited

SO PCT Int. Appl., 79 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

|      | PATENT NO.     | KIND | DATE     | APPLICATION NO. | DATE     |
|------|----------------|------|----------|-----------------|----------|
| PI   | WO 2003000262  | A1   | 20030103 | WO 2002-GB2903  | 20020624 |
|      | AU 2002345169  | A1   | 20030108 | AU 2002-345169  | 20020624 |
|      | EP 1406620     | A1   | 20040414 | EP 2002-743377  | 20020624 |
|      | EP 1406620     | B1   | 20061102 |                 |          |
|      | JP 2005500311  | T    | 20050106 | JP 2003-506907  | 20020624 |
|      | AT 344033      | T    | 20061115 | AT 2002-743377  | 20020624 |
|      | ES 2274047     | T3   | 20070516 | ES 2002-743377  | 20020624 |
|      | HK 1062888     | A1   | 20070420 | HK 2004-105775  | 20040804 |
|      | US 20050054715 | A1   | 20050310 | US 2004-482264  | 20040806 |
|      | US 7199140     | B2   | 20070403 |                 |          |
|      | US 20070093535 | A1   | 20070426 | US 2006-544946  | 20061010 |
| PRAI | SE 2001-2299   |      | 20010626 |                 |          |
|      | WO 2002-GB2903 |      | 20020624 |                 |          |
|      | US 2004-482264 |      | 20040806 |                 |          |

PSPI

|  | PATENT NO.     | KIND | STATUS | STATUS DATE |
|--|----------------|------|--------|-------------|
|  | WO 2003000262  | A1   | Dead   | 20201203    |
|  | EP 1406620     | A1   | Dead   | 20220630    |
|  | EP 1406620     | B1   | Dead   | 20220630    |
|  | JP 2005500311  | T    | Dead   | 20220630    |
|  | AT 344033      | T    | Dead   | 20201121    |
|  | ES 2274047     | T3   | Dead   | 20220630    |
|  | HK 1062888     | A1   | Dead   | 20201121    |
|  | US 20050054715 | A1   | Dead   | 20201121    |
|  | US 7199140     | B2   | Dead   | 20201121    |
|  | US 20070093535 | A1   | Dead   | 20201121    |

OS CASREACT 138:73179; CASFORMULTNS 2003:5781

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 16 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)AN 121:255836 MARPAT [Full-text](#)TI Substituted [(N,N-dialkyl-1H/3H-imidazo[4,5-b]pyridinyl)alkyl]benzamides  
as PAF antagonistsIN Weier, Richard Mathias; Khanna, Ish Kumar; Stealey, Michael Allan; Julien,  
Janet Anne; Lentz, Kirk Thomas

PA G.D. Searle and Co., USA

UO PFIZER INC

UOS Pfizer

SO PCT Int. Appl., 134 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

|      | PATENT NO.     | KIND | DATE     | APPLICATION NO. | DATE     |
|------|----------------|------|----------|-----------------|----------|
| PI   | WO 9412500     | A1   | 19940609 | WO 1993-US10976 | 19931117 |
|      | US 5359073     | A    | 19941025 | US 1992-981957  | 19921124 |
|      | CA 2143190     | A1   | 19940609 | CA 1993-2143190 | 19931117 |
|      | AU 9456040     | A    | 19940622 | AU 1994-56040   | 19931117 |
|      | EP 670838      | A1   | 19950913 | EP 1994-901455  | 19931117 |
|      | JP 08503944    | T    | 19960430 | JP 1993-513195  | 19931117 |
| PRAI | US 1992-981957 |      | 19921124 |                 |          |

WO 1993-US10976 19931117

PSPI

| PATENT NO.  | KIND | STATUS | STATUS DATE |
|-------------|------|--------|-------------|
| WO 9412500  | A1   | Dead   | 20201107    |
| US 5359073  | A    | Dead   | 20201107    |
| CA 2143190  | A1   | Dead   | 20201106    |
| AU 9456040  | A    | Dead   | 20201107    |
| EP 670838   | A1   | Dead   | 20201107    |
| JP 08503944 | T    | Dead   | 20201106    |

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 17 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

AN 121:205394 MARPAT [Full-text](#)

TI Substituted Imidazo[4,5-b]pyridines and Benzimidazoles

IN Mueller-Gliemann, Matthias; Dressel, Juergen; Fey, Peter; Hanco, Rudolf; Huebsch, Walter; Kraemer, Thomas; Mueller, Ulrich; Beuck, Martin; Kazda, Stanislav; et al.

PA Bayer A.-G., Germany

UO BAYER AG

UOS Bayer

SO Ger. Offen., 23 pp.  
CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|-------------|------|----------|-----------------|----------|
| DE 4302956  | A1   | 19940804 | DE 1993-4302956 | 19930203 |
| EP 610698   | A2   | 19940817 | EP 1994-100846  | 19940121 |
| EP 610698   | A3   | 19940914 |                 |          |
| EP 610698   | B1   | 20010516 |                 |          |
| AT 201207   | T    | 20010615 | AT 1994-100846  | 19940121 |
| PT 610698   | E    | 20010830 | PT 1994-100846  | 19940121 |
| ES 2158868  | T3   | 20010916 | ES 1994-100846  | 19940121 |
| US 5527809  | A    | 19960618 | US 1994-187925  | 19940127 |
| JP 06247968 | A    | 19940906 | JP 1994-30921   | 19940202 |
| GR 3036287  | T3   | 20011031 | GR 2001-401137  | 20010726 |

PRAI DE 1993-4302956 19930203

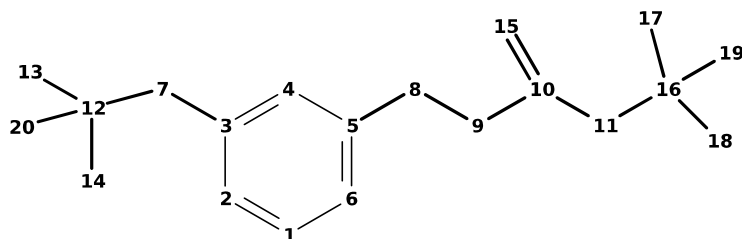
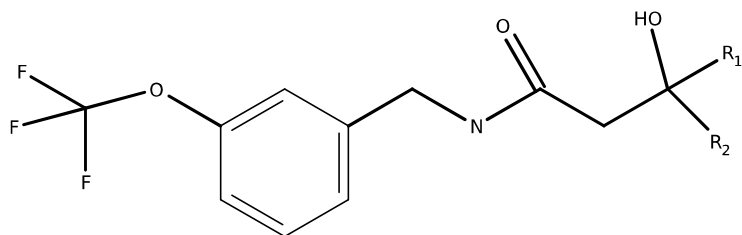
PSPI

| PATENT NO.  | KIND | STATUS | STATUS DATE |
|-------------|------|--------|-------------|
| DE 4302956  | A1   | Dead   | 20201106    |
| EP 610698   | A2   | Dead   | 20201106    |
| EP 610698   | A3   | Dead   | 20201106    |
| EP 610698   | B1   | Dead   | 20201107    |
| AT 201207   | T    | Dead   | 20201107    |
| PT 610698   | E    | Dead   | 20201106    |
| ES 2158868  | T3   | Dead   | 20201107    |
| US 5527809  | A    | Dead   | 20201106    |
| JP 06247968 | A    | Dead   | 20201106    |
| GR 3036287  | T3   | Dead   | 20201121    |

OS CASREACT 121:205394

=>

Uploading structure file: 2024\_0030\_Structure



# R-Group Definitions

R1: H,Me

R2: Me,Ak

## Node Attributes

Ring Nodes : 1 2 3 4 5 6

Chain Nodes : 7 8 9 10 11 12 13 14 15 16 20

## Bond Attributes

Ring Bonds : 1-2 2-3 3-4 4-5 5-6 6-1

Chain Bonds : 3-7 5-8 7-12 8-9 9-10 10-11 10-15 11-16 12-13 12-14

12-20 16-17 16-18 16-19

Normalized Bonds : 1-2 2-3 3-4 4-5 5-6 6-1

Exact/Normalized Bonds : 3-7 5-8 7-12 8-9 9-10 10-11 10-15 11-16 12-13

12-14 12-20 16-17 16-18 16-19

Markush Attributes  
Match Level (ATOM) : 1 2 3 4 5 6  
Match Level (CLASS) : 7 8 9 10 11 12 13 14 15 16 17 20  
Element Count Level (LIMITED) : 1 2 3 4 5 6 7 8 9 10 11 12 13 14  
15 16 17 20

L7 STRUCTURE UPLOADED

=> s 17

SAMPLE SEARCH INITIATED 12:00:56 FILE 'MARPAT'  
SAMPLE SCREEN SEARCH COMPLETED - 4529 TO ITERATE

100.0% PROCESSED 4529 ITERATIONS 17 ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.05

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 86838 TO 94322  
PROJECTED ANSWERS: 92 TO 588

L8 17 SEA SSS SAM L7

=> d 18 1-17

L8 ANSWER 1 OF 17 MARPAT COPYRIGHT 2024 ACS on STN  
[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)  
AN 186:283407 MARPAT [Full-text](#)  
TI 1H-Pyrazolopyridine and pyrazolopyrimidine derivatives as CBL-B inhibitors  
and their preparation  
IN Cho-Schultz, Sujin; Deal, Judith Gail; Donaldson, Joyann Susan;  
Freeman-Cook, Kevin Daniel; Jalaie, Mehran; Jeffreys, Matthew Scott;  
Kaiser, Stephen Elliott; Kath, John Charles; Montgomery, Timothy Patrick;  
Nair, Sajiv Krishnan; Patman, Ryan Lloyd; Tran, Khanh Tuan; Wisniewska,  
Hanna Maria; Zhou, Ru  
PA Pfizer Inc., USA  
UO PFIZER INC  
UOS Pfizer  
SO PCT Int. Appl., 300pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

|      | PATENT NO.       | KIND | DATE     | APPLICATION NO. | DATE     |
|------|------------------|------|----------|-----------------|----------|
|      | -----            | ---- | -----    | -----           | -----    |
| PI   | WO 2024074977    | A1   | 20240411 | WO 2023-IB59856 | 20231002 |
| PRAI | US 2022-63378283 |      | 20221004 |                 |          |
|      | US 2023-63479647 |      | 20230112 |                 |          |
|      | US 2023-63583684 |      | 20230919 |                 |          |
| PSPI |                  |      |          |                 |          |
|      | PATENT NO.       | KIND | STATUS   | STATUS DATE     |          |
|      | -----            | ---- | -----    | -----           |          |
|      | WO 2024074977    | A1   | Alive    | 20240418        |          |

L8 ANSWER 2 OF 17 MARPAT COPYRIGHT 2024 ACS on STN  
[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)  
AN 178:58066 MARPAT [Full-text](#)  
TI Methods of treating respiratory diseases using c5a inhibitors  
IN Cappel, Markus J.  
PA ChemoCentryx, Inc., USA  
UO AMGEN INC  
UOS Amgen  
SO U.S. Pat. Appl. Publ., 21pp.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 1

|      | PATENT NO.       | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|------------------|------|----------|------------------|----------|
| PI   | US 20220047592   | A1   | 20220217 | US 2021-17400257 | 20210812 |
| PRAI | US 2020-63064991 |      | 20200813 |                  |          |
| PSPI |                  |      |          |                  |          |

|  | PATENT NO.     | KIND | STATUS | STATUS DATE |
|--|----------------|------|--------|-------------|
|  | US 20220047592 | A1   | Dead   | 20240606    |

L8 ANSWER 3 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 174:137366 MARPAT [Full-text](#)

TI Preparation of 3-cyclopropyl-3-(3-acyloxyphenyl)propanoic acid derivatives as Gpr40 agonists

IN Sebhat, Iyassu; He, Shuwen

PA Kallyope, Inc., USA

UO KALLYOPE INC

UOS KALLYOPE INC

SO PCT Int. Appl., 154pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

|      | PATENT NO.       | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|------------------|------|----------|------------------|----------|
| PI   | WO 2020242943    | A1   | 20201203 | WO 2020-US34226  | 20200522 |
|      | EP 3976576       | A1   | 20220406 | EP 2020-812643   | 20200522 |
|      | US 20220226298   | A1   | 20220721 | US 2021-17614100 | 20211124 |
| PRAI | US 2019-62854249 |      | 20190529 |                  |          |
|      | WO 2020-US34226  |      | 20200522 |                  |          |

PSPI

|  | PATENT NO.     | KIND | STATUS       | STATUS DATE |
|--|----------------|------|--------------|-------------|
|  | WO 2020242943  | A1   | Dead         | 20240125    |
|  | EP 3976576     | A1   | Transitional | 20240606    |
|  | US 20220226298 | A1   | Alive        | 20220728    |

OS CASREACT 174:137366

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 173:772539 MARPAT [Full-text](#)

TI Preparation of chroman derivatives having estrogen receptor degradation activity and uses thereof

IN Fan, Jie; Qian, Yimin; He, Wei; Liu, Ke

PA Accutar Biotechnology Inc., USA

UO ACCUTAR BIOTECHNOLOGY INC

UOS ACCUTAR BIOTECHNOLOGY INC

SO U.S., 86pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

|      | PATENT NO.       | KIND | DATE     | APPLICATION NO.     | DATE     |
|------|------------------|------|----------|---------------------|----------|
| PI   | US 10800770      | B1   | 20201013 | US 2020-16846492    | 20200413 |
|      | EP 3835298       | A1   | 20210616 | EP 2020-169240      | 20200413 |
|      | EP 3835298       | B1   | 20240626 |                     |          |
|      | CA 3164202       | A1   | 20210617 | CA 2020-3164202     | 20200413 |
|      | WO 2021118629    | A1   | 20210617 | WO 2020-US27895     | 20200413 |
|      | SG 11202250233   | A    | 20220715 | SG 2022-11202250233 | 20200413 |
|      | KR 2022118460    | A    | 20220825 | KR 2022-7023616     | 20200413 |
|      | CN 115003295     | A    | 20220902 | CN 2020-80092528    | 20200413 |
|      | JP 2023506155    | T    | 20230215 | JP 2022-535123      | 20200413 |
|      | EP 4420728       | A2   | 20240828 | EP 2024-170522      | 20200413 |
|      | US 20210221802   | A1   | 20210722 | US 2020-16907548    | 20200622 |
|      | US 11261178      | B2   | 20220301 |                     |          |
| PRAI | US 2019-62947213 |      | 20191212 |                     |          |
|      | EP 2020-169240   |      | 20200413 |                     |          |
|      | US 2020-16846492 |      | 20200413 |                     |          |
|      | WO 2020-US27895  |      | 20200413 |                     |          |

PSPI

| PATENT NO.     | KIND | STATUS        | STATUS DATE |
|----------------|------|---------------|-------------|
| US 10800770    | B1   | Alive         | 20201121    |
| EP 3835298     | A1   | Indeterminate | 20240627    |
| EP 3835298     | B1   | Indeterminate | 20240627    |
| CA 3164202     | A1   | Alive         | 20220721    |
| WO 2021118629  | A1   | Dead          | 20231214    |
| KR 2022118460  | A    | Alive         | 20220915    |
| CN 115003295   | A    | Alive         | 20220908    |
| JP 2023506155  | T    | Alive         | 20230302    |
| EP 4420728     | A2   | Alive         | 20240829    |
| US 20210221802 | A1   | Alive         | 20210729    |
| US 11261178    | B2   | Alive         | 20220310    |

OS CASREACT 173:772539

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 170:341021 MARPAT [Full-text](#)

TI Preparation of benzimidazoles as potassium channel inhibitors useful in treatment of cardiac diseases

IN Soerensen, Ulrik Svane; Mete, Anthonio

PA Acesion Pharma Aps, Den.

UO NOVO HOLDINGS A/S

UOS Novo Holdings

SO PCT Int. Appl., 90pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

|      | PATENT NO.      | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|-----------------|------|----------|------------------|----------|
| PI   | WO 2019034603   | A1   | 20190221 | WO 2018-EP71911  | 20180813 |
|      | CA 3072648      | A1   | 20190221 | CA 2018-3072648  | 20180813 |
|      | EP 3668841      | A1   | 20200624 | EP 2018-750455   | 20180813 |
|      | CN 111344281    | A    | 20200626 | CN 2018-80065901 | 20180813 |
|      | CN 111344281    | B    | 20231114 |                  |          |
|      | JP 2020530479   | T    | 20201022 | JP 2020-508323   | 20180813 |
|      | JP 7158464      | B2   | 20221021 |                  |          |
|      | IN 202017002727 | A    | 20200221 | IN 2020-17002727 | 20200121 |
|      | US 20200216398  | A1   | 20200709 | US 2020-16638590 | 20200212 |
|      | US 11098018     | B2   | 20210824 |                  |          |
| PRAI | EP 2017-20353   |      | 20170814 |                  |          |
|      | WO 2018-EP71911 |      | 20180813 |                  |          |

PSPI

| PATENT NO.     | KIND | STATUS | STATUS DATE |
|----------------|------|--------|-------------|
| WO 2019034603  | A1   | Dead   | 20220414    |
| CA 3072648     | A1   | Alive  | 20201121    |
| EP 3668841     | A1   | Alive  | 20201201    |
| CN 111344281   | A    | Alive  | 20201120    |
| CN 111344281   | B    | Alive  | 20231123    |
| JP 2020530479  | T    | Alive  | 20201121    |
| JP 7158464     | B2   | Alive  | 20221103    |
| US 20200216398 | A1   | Alive  | 20201121    |
| US 11098018    | B2   | Alive  | 20210902    |

OS CASREACT 170:341021; CASFORMULTNS 2019:339459

L8 ANSWER 6 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 161:582285 MARPAT [Full-text](#)

TI Preparation of diaryl ureas as kinase inhibitors

IN Baker, Thomas Matthew; Fyfe, Matthew Colin Thor; Harbottle, Gareth William; Hasimbegovic, Vedran; Meghani, Premji; Rigby, Aaron; Sambrook-Smith, Colin; Thom, Stephen Malcolm

PA TopiVert Pharma Limited, UK; RespiVert Limited

UO OXULAR LTD

UOS Oxular

SO U.S. Pat. Appl. Publ., 141 pp.

CODEN: USXXCO

DT Patent  
LA English  
FAN.CNT 4

|      | PATENT NO.       | KIND | DATE     | APPLICATION NO.      | DATE     |
|------|------------------|------|----------|----------------------|----------|
| PI   | US 20140296208   | A1   | 20141002 | US 2014-14242741     | 20140401 |
|      | US 9481648       | B2   | 20161101 |                      |          |
|      | US 20140296271   | A1   | 20141002 | US 2014-14242531     | 20140401 |
|      | US 8927563       | B2   | 20150106 |                      |          |
|      | CA 2907663       | A1   | 20141009 | CA 2014-2907663      | 20140401 |
|      | WO 2014162122    | A1   | 20141009 | WO 2014-GB51018      | 20140401 |
|      | WO 2014162126    | A1   | 20141009 | WO 2014-GB51022      | 20140401 |
|      | AU 2014246866    | A1   | 20151001 | AU 2014-246866       | 20140401 |
|      | AU 2014246866    | B2   | 20180510 |                      |          |
|      | AU 2014246870    | A1   | 20151001 | AU 2014-246870       | 20140401 |
|      | AU 2014246870    | B2   | 20180524 |                      |          |
|      | AR 95989         | A1   | 20151125 | AR 2014-101467       | 20140401 |
|      | KR 2015136536    | A    | 20151207 | KR 2015-7031292      | 20140401 |
|      | KR 2283883       | B1   | 20210729 |                      |          |
|      | KR 2015138855    | A    | 20151210 | KR 2015-7031287      | 20140401 |
|      | KR 2283876       | B1   | 20210729 |                      |          |
|      | MX 2015013944    | A    | 20151211 | MX 2015-13944        | 20140401 |
|      | MX 363949        | B    | 20190408 |                      |          |
|      | MX 2015013945    | A    | 20151211 | MX 2015-13945        | 20140401 |
|      | MX 363950        | B    | 20190408 |                      |          |
|      | CN 105246884     | A    | 20160113 | CN 2014-80031484     | 20140401 |
|      | CN 105246884     | B    | 20180522 |                      |          |
|      | IN 2015DN09912   | A    | 20160205 | IN 2015-DN9912       | 20140401 |
|      | IN 370753        | B    | 20210630 |                      |          |
|      | EP 2981526       | A1   | 20160210 | EP 2014-715106       | 20140401 |
|      | EP 2981526       | B1   | 20211103 |                      |          |
|      | EP 2981535       | A1   | 20160210 | EP 2014-716378       | 20140401 |
|      | EP 2981535       | B1   | 20201216 |                      |          |
|      | CN 105408315     | A    | 20160316 | CN 2014-80031577     | 20140401 |
|      | CN 105408315     | B    | 20180914 |                      |          |
|      | JP 2016515606    | T    | 20160530 | JP 2016-505888       | 20140401 |
|      | JP 6495238       | B2   | 20190403 |                      |          |
|      | JP 2016519680    | T    | 20160707 | JP 2016-505887       | 20140401 |
|      | JP 6464384       | B2   | 20190206 |                      |          |
|      | BR 112015024671  | A2   | 20170718 | BR 2015-112015024671 | 20140401 |
|      | BR 112015024678  | A2   | 20170718 | BR 2015-112015024678 | 20140401 |
|      | BR 112015024678  | B1   | 20230223 |                      |          |
|      | EA 27782         | B1   | 20170831 | EA 2015-91907        | 20140401 |
|      | EA 30483         | B1   | 20180831 | EA 2015-91906        | 20140401 |
|      | TW I641592       | B    | 20181121 | TW 2014-112073       | 20140401 |
|      | KR 2021096313    | A    | 20210804 | KR 2021-7023664      | 20140401 |
|      | KR 2340654       | B1   | 20211216 |                      |          |
|      | ES 2856902       | T3   | 20210928 | ES 2014-716378       | 20140401 |
|      | ES 2904277       | T3   | 20220404 | ES 2014-715106       | 20140401 |
|      | US 20150166483   | A1   | 20150618 | US 2015-14626548     | 20150219 |
|      | IN 2015DN09911   | A    | 20160205 | IN 2015-DN9911       | 20151022 |
|      | US 20160376232   | A1   | 20161229 | US 2016-15261174     | 20160909 |
|      | US 9790174       | B2   | 20171017 |                      |          |
|      | US 20180044288   | A1   | 20180215 | US 2017-15726241     | 20171005 |
|      | US 10435361      | B2   | 20191008 |                      |          |
| PRAI | GB 2013-5945     |      | 20130402 |                      |          |
|      | GB 2013-22678    |      | 20131220 |                      |          |
|      | GB 2014-2647     |      | 20140214 |                      |          |
|      | GB 2013-14700    |      | 20130816 |                      |          |
|      | KR 2015-7031292  |      | 20140401 |                      |          |
|      | US 2014-14242741 |      | 20140401 |                      |          |
|      | WO 2014-GB51018  |      | 20140401 |                      |          |
|      | WO 2014-GB51022  |      | 20140401 |                      |          |
| PSPI | US 2016-15261174 |      | 20160909 |                      |          |
|      | PATENT NO.       | KIND | STATUS   | STATUS DATE          |          |
|      | US 20140296208   | A1   | Alive    | 20201121             |          |
|      | US 9481648       | B2   | Alive    | 20201121             |          |
|      | US 20140296271   | A1   | Alive    | 20201121             |          |
|      | US 8927563       | B2   | Alive    | 20201121             |          |
|      | CA 2907663       | A1   | Dead     | 20231123             |          |

|    |                     |    |               |          |
|----|---------------------|----|---------------|----------|
| WO | 2014162122          | A1 | Dead          | 20201201 |
| WO | 2014162126          | A1 | Dead          | 20201202 |
| AU | 2014246866          | A1 | Dead          | 20240502 |
| AU | 2014246866          | B2 | Dead          | 20240502 |
| AU | 2014246870          | A1 | Dead          | 20240502 |
| AU | 2014246870          | B2 | Dead          | 20240502 |
| AR | 95989               | A1 | Alive         | 20201121 |
| KR | 2015136536          | A  | Alive         | 20210520 |
| KR | 2283883             | B1 | Alive         | 20210820 |
| KR | 2015138855          | A  | Alive         | 20210520 |
| KR | 2283876             | B1 | Alive         | 20210820 |
| MX | 2015013944          | A  | Alive         | 20201121 |
| MX | 363949              | B  | Alive         | 20201121 |
| MX | 2015013945          | A  | Alive         | 20201121 |
| MX | 363950              | B  | Alive         | 20201121 |
| CN | 105246884           | A  | Transitional  | 20240502 |
| CN | 105246884           | B  | Transitional  | 20240502 |
| EP | 2981526             | A1 | Indeterminate | 20211123 |
| EP | 2981526             | B1 | Indeterminate | 20211123 |
| EP | 2981535             | A1 | Indeterminate | 20201217 |
| EP | 2981535             | B1 | Indeterminate | 20201217 |
| CN | 105408315           | A  | Transitional  | 20240502 |
| CN | 105408315           | B  | Transitional  | 20240502 |
| JP | 2016515606          | T  | Dead          | 20231214 |
| JP | 6495238             | B2 | Dead          | 20231214 |
| JP | 2016519680          | T  | Alive         | 20201121 |
| JP | 6464384             | B2 | Alive         | 20201121 |
| BR | 112015024671        | A2 | Dead          | 20230907 |
| BR | 112015024678        | A2 | Dead          | 20240725 |
| BR | 112015024678        | B1 | Dead          | 20240725 |
| EA | 27782               | B1 | Indeterminate | 20210208 |
| EA | 30483               | B1 | Indeterminate | 20210208 |
| TW | I641592             | B  | Dead          | 20240222 |
| KR | 2021096313          | A  | Alive         | 20210902 |
| KR | 2340654             | B1 | Alive         | 20220120 |
| ES | 2856902             | T3 | Alive         | 20211007 |
| ES | 2904277             | T3 | Alive         | 20220421 |
| US | 20150166483         | A1 | Dead          | 20201121 |
| US | 20160376232         | A1 | Alive         | 20201121 |
| US | 9790174             | B2 | Alive         | 20201120 |
| US | 20180044288         | A1 | Alive         | 20201120 |
| US | 10435361            | B2 | Alive         | 20201121 |
| OS | CASREACT 161:582285 |    |               |          |

L8 ANSWER 7 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 161:141542 MARPAT [Full-text](#)

TI Preparation of BET-protein-inhibiting dihydroquinoxalinones useful in treatment of hyperproliferative diseases

IN Schmees, Norbert; Haendler, Bernard; Stoeckigt, Detlef; Gallenkamp, Daniel

PA Bayer Pharma Aktiengesellschaft, Germany

UO BAYER AG

UOS Bayer

SO PCT Int. Appl., 142pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 2

|      | PATENT NO.      | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|-----------------|------|----------|------------------|----------|
|      | -----           | ---- | -----    | -----            | -----    |
| PI   | WO 2014095775   | A1   | 20140626 | WO 2013-EP76785  | 20131217 |
|      | CA 2895426      | A1   | 20140626 | CA 2013-2895426  | 20131217 |
|      | CN 104995190    | A    | 20151021 | CN 2013-80073179 | 20131217 |
|      | EP 2935261      | A1   | 20151028 | EP 2013-807999   | 20131217 |
|      | JP 2016509576   | T    | 20160331 | JP 2015-548422   | 20131217 |
|      | US 20150344444  | A1   | 20151203 | US 2015-14654576 | 20150622 |
| PRAI | EP 2012-198623  |      | 20121220 |                  |          |
|      | EP 2013-187778  |      | 20131008 |                  |          |
|      | EP 2013-189263  |      | 20131018 |                  |          |
|      | WO 2013-EP76785 |      | 20131217 |                  |          |

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| PATENT NO. | KIND | STATUS | STATUS DATE |
|------------|------|--------|-------------|
|------------|------|--------|-------------|

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WO 2014095775      A1    Dead      20201202  
CA 2895426        A1    Dead      20201120  
CN 104995190      A     Dead      20201121  
EP 2935261        A1    Dead      20201202  
JP 2016509576      T     Alive     20201121  
US 20150344444    A1    Dead      20201120  
OS    CASREACT 161:141542  
RE.CNT 4           THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
         ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8    ANSWER 8 OF 17    MARPAT    COPYRIGHT 2024 ACS on STN  
[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)  
AN    159:494865    MARPAT [Full-text](#)  
TI    Liquid crystal display element  
IN    Takezoe, Hideo; Aya, Satoshi; Yamashita, Takashi; Okano, Kunihiro  
PA    Tokyo Institute of Technology, Japan; DIC Corp.; Tokyo University of  
      Science Educational Foundation Administrative Organization  
UO    NATIONAL UNIVERSITY CORPORATION TOKYO INSTITUTE OF TECHNOLOGY; TOKYO  
      UNIVERSITY OF SCIENCE; DIC CORPORATION  
UOS   Tokyo Institute of Technology; Tokyo University of Science; DIC Corp  
SO    U.S. Pat. Appl. Publ., 30pp.  
      CODEN: USXXCO

DT    Patent  
LA    English

FAN.CNT 1  
PATENT NO.            KIND    DATE            APPLICATION NO.            DATE  
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PI    US 20130235290      A1    20130912      US 2013-13789072          20130307  
      US 10287501        B2    20190514  
      JP 2013185110      A     20130919      JP 2012-52244              20120308  
      JP 6209807        B2    20171011  
      JP 2017222878      A     20171221      JP 2017-166265              20170830  
      JP 6675715        B2    20200401  
PRAI JP 2012-52244                      20120308

PSPI  
PATENT NO.            KIND    STATUS            STATUS DATE  
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      US 20130235290      A1    Alive            20201120  
      US 10287501        B2    Alive            20201120  
      JP 2013185110      A     Alive            20201120  
      JP 6209807        B2    Alive            20201121  
      JP 2017222878      A     Alive            20201121  
      JP 6675715        B2    Alive            20201121

L8    ANSWER 9 OF 17    MARPAT    COPYRIGHT 2024 ACS on STN  
[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)  
AN    158:379603    MARPAT [Full-text](#)  
TI    Susceptibility of tumor cells to selective CDK9 kinase inhibitors for  
      predicting treatment of NUT midline carcinoma  
IN    Choidas, Axel; Klebl, Bert; Habenberger, Peter; Eickhoff, Jan; Thomas,  
      Roman; Heuckmann, Johannes  
PA    Lead Discovery Center GmbH, Germany; Max-Planck-Gesellschaft zur  
      Foerderung der Wissenschaften e.V.  
UO    BAYER AG  
UOS   Bayer  
SO    PCT Int. Appl., 139pp.  
      CODEN: PIXXD2

DT    Patent  
LA    English

FAN.CNT 3  
PATENT NO.            KIND    DATE            APPLICATION NO.            DATE  
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PI    WO 2013026890      A1    20130228      WO 2012-EP66366          20120822  
      EP 2562265        A1    20130227      EP 2011-178334              20110822  
      AU 2012298499      A1    20140313      AU 2012-298499              20120822  
      EP 2748331        A1    20140702      EP 2012-761556              20120822  
      EP 2748331        B1    20160302  
      US 20140287454      A1    20140925      US 2014-14240315              20140612  
PRAI EP 2011-178334                      20110822  
      WO 2012-EP66366                      20120822

PSPI

| PATENT NO.     | KIND | STATUS        | STATUS DATE |
|----------------|------|---------------|-------------|
| WO 2013026890  | A1   | Dead          | 20201201    |
| EP 2562265     | A1   | Dead          | 20201202    |
| AU 2012298499  | A1   | Dead          | 20201121    |
| EP 2748331     | A1   | Indeterminate | 20201106    |
| EP 2748331     | B1   | Indeterminate | 20201106    |
| US 20140287454 | A1   | Dead          | 20201121    |

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 10 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 157:122922 MARPAT [Full-text](#)

TI Novel inhibitors of matrix metalloproteinases

IN Ferdinandy, Peter; Csont, Tamas Balint; Csonka, Csaba; Kedvesne Kupai, Krisztina; Kovacs, Laszlo; Kis-Tamas, Attila; Takacs, Ferenc Tamas; Konya, Denes; Medgyes, Gabor; Cseh, Sandor; Hajdu, Istvan; Lorincz, Zsolt; Dorman, Gyoergy; Goerbe, Aniko

PA Pharmahungary 2000 Kft., Hung.; Infarmatik Kft.; Targetex Kft.

UO TARGETEX KFT; PHARMAHUNGARY 2000 KFT

UOS TARGETEX KFT; PHARMAHUNGARY 2000 KFT

SO PCT Int. Appl., 65 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

|      | PATENT NO.     | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|----------------|------|----------|------------------|----------|
| PI   | WO 2012080762  | A1   | 20120621 | WO 2011-HU127    | 20111219 |
|      | CN 103347516   | A    | 20131009 | CN 2011-80061275 | 20111219 |
|      | CN 103347516   | B    | 20151014 |                  |          |
|      | EP 2651413     | A1   | 20131023 | EP 2011-811113   | 20111219 |
|      | EP 2651413     | B1   | 20171122 |                  |          |
|      | JP 2014503529  | T    | 20140213 | JP 2013-543888   | 20111219 |
|      | US 20130303572 | A1   | 20131114 | US 2013-13990684 | 20130801 |
|      | US 9487462     | B2   | 20161108 |                  |          |
| PRAI | HU 2010-676    |      | 20101217 |                  |          |
|      | WO 2011-HU127  |      | 20111219 |                  |          |

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|  | PATENT NO.     | KIND | STATUS        | STATUS DATE |
|--|----------------|------|---------------|-------------|
|  | WO 2012080762  | A1   | Dead          | 20201202    |
|  | CN 103347516   | A    | Dead          | 20240704    |
|  | CN 103347516   | B    | Dead          | 20240704    |
|  | EP 2651413     | A1   | Indeterminate | 20201107    |
|  | EP 2651413     | B1   | Indeterminate | 20201106    |
|  | JP 2014503529  | T    | Alive         | 20201121    |
|  | US 20130303572 | A1   | Alive         | 20201121    |
|  | US 9487462     | B2   | Alive         | 20201121    |

OS CASREACT 157:122922; CASFORMULTNS 2012:880302

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 11 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#)

AN 154:30363 MARPAT [Full-text](#)

TI Preparation of (indolyloxy)pyridine derivatives as collagen production inhibitors for the treatment of tumors

IN Sumida, Takumi; Tabusa, Fujio; Sekiguchi, Kazuo; Kodama, Kenji; Yasumura, Koichi; Kojima, Hiroshi; Motoyama, Masaki; Miyajima, Keisuke; Yoshida, Kenji; Kan, Keizo; Sakamoto, Makoto; Takasu, Hideki; Nakagawa, Takashi; Oi, Naoto; Harada, Yasuo; Hashimoto, Norikazu; Matsuyama, Hironori; Iida, Masatoshi; Fujita, Shigekazu; Fukushima, Tae

PA Otsuka Pharmaceutical Co., Ltd., Japan

UO OTSUKA HOLDINGS CO LTD

UOS Otsuka Holdings

SO Jpn. Kokai Tokkyo Koho, 226pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

|      | PATENT NO.     | KIND | DATE     | APPLICATION NO. | DATE     |
|------|----------------|------|----------|-----------------|----------|
| PI   | JP 2010275302  | A    | 20101209 | JP 2010-102797  | 20100428 |
|      | JP 5688918     | B2   | 20150325 |                 |          |
| PRAI | JP 2009-109389 |      | 20090428 |                 |          |

|      | PATENT NO.         | KIND | STATUS | STATUS DATE |
|------|--------------------|------|--------|-------------|
| PSPI | JP 2010275302      | A    | Dead   | 20201121    |
|      | JP 5688918         | B2   | Dead   | 20201121    |
| OS   | CASREACT 154:30363 |      |        |             |

L8 ANSWER 12 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 153:571793 MARPAT [Full-text](#)

TI Ex-vivo treatment of immunological disorders with PKC-theta inhibitors

IN Brown, Maryanne; Dustin, Michael; Zanin-Zhorov, Alexandra

PA Boehringer Ingelheim International GmbH, Germany; New York University

UO NEW YORK UNIVERSITY

UOS New York University

SO PCT Int. Appl., 31pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

|      | PATENT NO.       | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|------------------|------|----------|------------------|----------|
| PI   | WO 2010126967    | A1   | 20101104 | WO 2010-US32707  | 20100428 |
|      | CA 2760305       | A1   | 20101104 | CA 2010-2760305  | 20100428 |
|      | AU 2010241701    | A1   | 20111013 | AU 2010-241701   | 20100428 |
|      | KR 2012005460    | A    | 20120116 | KR 2011-7023974  | 20100428 |
|      | CN 102421435     | A    | 20120418 | CN 2010-80018520 | 20100428 |
|      | EP 2445503       | A1   | 20120502 | EP 2010-717377   | 20100428 |
|      | JP 2012525403    | T    | 20121022 | JP 2012-508629   | 20100428 |
|      | IL 215939        | A    | 20130131 | IL 2010-215939   | 20100428 |
|      | NZ 595331        | A    | 20130830 | NZ 2010-595331   | 20100428 |
|      | BR 2010014775    | A2   | 20160419 | BR 2010-14775    | 20100428 |
|      | MX 2011011290    | A    | 20120213 | MX 2011-11290    | 20111026 |
|      | CL 2011002690    | A1   | 20120427 | CL 2011-2690     | 20111027 |
|      | IN 2011DN09288   | A    | 20130222 | IN 2011-DN9288   | 20111125 |
|      | US 20120196919   | A1   | 20120802 | US 2012-13266757 | 20120420 |
| PRAI | US 2009-61173237 |      | 20090428 |                  |          |
|      | WO 2010-US32707  |      | 20100428 |                  |          |

|      | PATENT NO.     | KIND | STATUS | STATUS DATE |
|------|----------------|------|--------|-------------|
| PSPI | WO 2010126967  | A1   | Dead   | 20201202    |
|      | CA 2760305     | A1   | Dead   | 20201121    |
|      | AU 2010241701  | A1   | Dead   | 20201121    |
|      | KR 2012005460  | A    | Dead   | 20201121    |
|      | CN 102421435   | A    | Dead   | 20201121    |
|      | EP 2445503     | A1   | Dead   | 20201202    |
|      | JP 2012525403  | T    | Alive  | 20201120    |
|      | IL 215939      | A    | Alive  | 20230112    |
|      | NZ 595331      | A    | Dead   | 20201120    |
|      | BR 2010014775  | A2   | Dead   | 20201121    |
|      | MX 2011011290  | A    | Dead   | 20201121    |
|      | CL 2011002690  | A1   | Alive  | 20201121    |
|      | US 20120196919 | A1   | Dead   | 20201121    |

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 13 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

AN 153:481035 MARPAT [Full-text](#)

TI Quinazolinedione derivatives as PDE inhibitors and their preparation and use in the treatment of central and peripheral nervous system disorder

IN Marciniak, Gilbert; Nave, Jean-Francois; Viviani, Fabrice

PA Sanofi-Aventis, Fr.

UO SANOFI

UOS Sanofi

SO PCT Int. Appl., 157pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 2

|      | PATENT NO.      | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|-----------------|------|----------|------------------|----------|
| PI   | WO 2010109148   | A1   | 20100930 | WO 2010-FR50549  | 20100325 |
|      | FR 2943673      | A1   | 20101001 | FR 2009-1460     | 20090327 |
|      | FR 2943673      | B1   | 20130329 |                  |          |
|      | CA 2756645      | A1   | 20100930 | CA 2010-2756645  | 20100325 |
|      | AU 2010227359   | A1   | 20111020 | AU 2010-227359   | 20100325 |
|      | AU 2010227359   | B2   | 20160804 |                  |          |
|      | KR 2012003904   | A    | 20120111 | KR 2011-7025278  | 20100325 |
|      | KR 1686263      | B1   | 20161213 |                  |          |
|      | EP 2411009      | A1   | 20120201 | EP 2010-715983   | 20100325 |
|      | EP 2411009      | B1   | 20130320 |                  |          |
|      | CN 102448461    | A    | 20120509 | CN 2010-80023180 | 20100325 |
|      | CN 102448461    | B    | 20140806 |                  |          |
|      | JP 2012521974   | T    | 20120920 | JP 2012-501361   | 20100325 |
|      | JP 5654559      | B2   | 20150114 |                  |          |
|      | IL 215368       | A    | 20130131 | IL 2010-215368   | 20100325 |
|      | NZ 595405       | A    | 20130328 | NZ 2010-595405   | 20100325 |
|      | ES 2411880      | T3   | 20130709 | ES 2010-715983   | 20100325 |
|      | BR 2010014688   | A2   | 20160412 | BR 2010-14688    | 20100325 |
|      | EA 23670        | B1   | 20160630 | EA 2011-71172    | 20100325 |
|      | IN 2011KN03919  | A    | 20120525 | IN 2011-KN3919   | 20110921 |
|      | MX 2011010150   | A    | 20111214 | MX 2011-10150    | 20110927 |
|      | MA 33218        | B1   | 20120402 | MA 2011-34279    | 20111019 |
|      | US 20120058987  | A1   | 20120308 | US 2011-13259888 | 20111031 |
|      | US 8748441      | B2   | 20140610 |                  |          |
|      | HK 1164721      | A1   | 20131108 | HK 2012-105551   | 20120607 |
|      | SM 2013000067   | B    | 20130906 | SM 2013-67       | 20130619 |
| PRAI | FR 2009-1460    |      | 20090327 |                  |          |
|      | WO 2010-FR50549 |      | 20100325 |                  |          |

PSPI

| PATENT NO.     | KIND | STATUS        | STATUS DATE |
|----------------|------|---------------|-------------|
| WO 2010109148  | A1   | Dead          | 20201202    |
| FR 2943673     | A1   | Dead          | 20201120    |
| FR 2943673     | B1   | Dead          | 20201121    |
| CA 2756645     | A1   | Dead          | 20201121    |
| AU 2010227359  | A1   | Dead          | 20201120    |
| AU 2010227359  | B2   | Dead          | 20201120    |
| KR 2012003904  | A    | Alive         | 20201121    |
| KR 1686263     | B1   | Alive         | 20201121    |
| EP 2411009     | A1   | Indeterminate | 20201106    |
| EP 2411009     | B1   | Indeterminate | 20201106    |
| CN 102448461   | A    | Dead          | 20201120    |
| CN 102448461   | B    | Dead          | 20201120    |
| JP 2012521974  | T    | Dead          | 20201121    |
| JP 5654559     | B2   | Dead          | 20201121    |
| IL 215368      | A    | Alive         | 20230112    |
| NZ 595405      | A    | Dead          | 20201120    |
| ES 2411880     | T3   | Alive         | 20201121    |
| BR 2010014688  | A2   | Dead          | 20201121    |
| EA 23670       | B1   | Indeterminate | 20210208    |
| MX 2011010150  | A    | Alive         | 20201121    |
| MA 33218       | B1   | Alive         | 20201121    |
| US 20120058987 | A1   | Dead          | 20230119    |
| US 8748441     | B2   | Dead          | 20230119    |
| HK 1164721     | A1   | Dead          | 20201121    |
| SM 2013000067  | B    | Alive         | 20201121    |

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 14 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 143:172645 MARPAT [Full-text](#)

TI Catalytic hydrogenation of nitriles in dipolar aprotic solvent the presence of palladium/carbon catalyst and a strong anhydrous acid to produce capsaicinoid derivatives and amine compounds, particularly DA-5018, and methods for purifying and obtaining the polymorphs thereof

IN Meckler, Harold; Popp, Karl F.; Mobeles, Bingidimi I.; Isbester, Paul K.; Elder, Bruce J.; Vogt, Paul F.; Littler, Benjamin J.; Eastham, Stephen A.; Reed, David P.; Ulysse, Luckner G.; Uttley, Michael D.  
PA Stiefel Laboratories, Inc., USA  
UO GLAXOSMITHKLINE PLC  
UOS GlaxoSmithKline  
SO PCT Int. Appl., 189 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

|      | PATENT NO.       | KIND | DATE     | APPLICATION NO. | DATE     |
|------|------------------|------|----------|-----------------|----------|
| PI   | WO 2005068414    | A1   | 20050728 | WO 2004-US28153 | 20040927 |
|      | US 20060047171   | A1   | 20060302 | US 2004-927493  | 20040827 |
|      | CA 2551128       | A1   | 20050728 | CA 2004-2551128 | 20040927 |
|      | EP 1697303       | A1   | 20060906 | EP 2004-782593  | 20040927 |
|      | BR 2004018038    | A    | 20070417 | BR 2004-18038   | 20040927 |
|      | MX 2006007116    | A    | 20061208 | MX 2006-7116    | 20060621 |
| PRAI | US 2003-60530985 |      | 20031222 |                 |          |
|      | WO 2004-US28153  |      | 20040927 |                 |          |

|  | PATENT NO.     | KIND | STATUS | STATUS DATE |
|--|----------------|------|--------|-------------|
|  | WO 2005068414  | A1   | Dead   | 20201201    |
|  | US 20060047171 | A1   | Dead   | 20201121    |
|  | CA 2551128     | A1   | Dead   | 20201121    |
|  | EP 1697303     | A1   | Dead   | 20201203    |
|  | BR 2004018038  | A    | Dead   | 20201121    |

OS CASREACT 143:172645

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 15 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#)

AN 138:73179 MARPAT [Full-text](#)

TI Preparation of phenylvinyl-nicotinic acid derivatives for therapeutic use  
glucokinase (GLK) activators

IN Hayter, Barry Raymond; Currie, Gordon Stuart; Hargreaves, Rodney Brian; Caulkett, Peter William Rodney; James, Roger

PA AstraZeneca AB, Swed.; AstraZeneca UK Limited

SO PCT Int. Appl., 79 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

|      | PATENT NO.     | KIND | DATE     | APPLICATION NO. | DATE     |
|------|----------------|------|----------|-----------------|----------|
| PI   | WO 2003000262  | A1   | 20030103 | WO 2002-GB2903  | 20020624 |
|      | AU 2002345169  | A1   | 20030108 | AU 2002-345169  | 20020624 |
|      | EP 1406620     | A1   | 20040414 | EP 2002-743377  | 20020624 |
|      | EP 1406620     | B1   | 20061102 |                 |          |
|      | JP 2005500311  | T    | 20050106 | JP 2003-506907  | 20020624 |
|      | AT 344033      | T    | 20061115 | AT 2002-743377  | 20020624 |
|      | ES 2274047     | T3   | 20070516 | ES 2002-743377  | 20020624 |
|      | HK 1062888     | A1   | 20070420 | HK 2004-105775  | 20040804 |
|      | US 20050054715 | A1   | 20050310 | US 2004-482264  | 20040806 |
|      | US 7199140     | B2   | 20070403 |                 |          |
|      | US 20070093535 | A1   | 20070426 | US 2006-544946  | 20061010 |
| PRAI | SE 2001-2299   |      | 20010626 |                 |          |
|      | WO 2002-GB2903 |      | 20020624 |                 |          |
|      | US 2004-482264 |      | 20040806 |                 |          |

|  | PATENT NO.    | KIND | STATUS | STATUS DATE |
|--|---------------|------|--------|-------------|
|  | WO 2003000262 | A1   | Dead   | 20201203    |
|  | EP 1406620    | A1   | Dead   | 20220630    |
|  | EP 1406620    | B1   | Dead   | 20220630    |
|  | JP 2005500311 | T    | Dead   | 20220630    |
|  | AT 344033     | T    | Dead   | 20201121    |
|  | ES 2274047    | T3   | Dead   | 20220630    |
|  | HK 1062888    | A1   | Dead   | 20201121    |

US 20050054715 A1 Dead 20201121  
US 7199140 B2 Dead 20201121  
US 20070093535 A1 Dead 20201121  
OS CASREACT 138:73179; CASFORMULTNS 2003:5781  
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 16 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 121:255836 MARPAT [Full-text](#)

TI Substituted [(N,N-dialkyl-1H/3H-imidazo[4,5-b]pyridinyl)alkyl]benzamides  
as PAF antagonists

IN Weier, Richard Mathias; Khanna, Ish Kumar; Stealey, Michael Allan; Julien,  
Janet Anne; Lentz, Kirk Thomas

PA G.D. Searle and Co., USA

UO PFIZER INC

UOS Pfizer

SO PCT Int. Appl., 134 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

|      | PATENT NO.      | KIND | DATE     | APPLICATION NO. | DATE     |
|------|-----------------|------|----------|-----------------|----------|
| PI   | WO 9412500      | A1   | 19940609 | WO 1993-US10976 | 19931117 |
|      | US 5359073      | A    | 19941025 | US 1992-981957  | 19921124 |
|      | CA 2143190      | A1   | 19940609 | CA 1993-2143190 | 19931117 |
|      | AU 9456040      | A    | 19940622 | AU 1994-56040   | 19931117 |
|      | EP 670838       | A1   | 19950913 | EP 1994-901455  | 19931117 |
|      | JP 08503944     | T    | 19960430 | JP 1993-513195  | 19931117 |
| PRAI | US 1992-981957  |      | 19921124 |                 |          |
|      | WO 1993-US10976 |      | 19931117 |                 |          |

PSPI

|  | PATENT NO.  | KIND | STATUS | STATUS DATE |
|--|-------------|------|--------|-------------|
|  | WO 9412500  | A1   | Dead   | 20201107    |
|  | US 5359073  | A    | Dead   | 20201107    |
|  | CA 2143190  | A1   | Dead   | 20201106    |
|  | AU 9456040  | A    | Dead   | 20201107    |
|  | EP 670838   | A1   | Dead   | 20201107    |
|  | JP 08503944 | T    | Dead   | 20201106    |

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 17 OF 17 MARPAT COPYRIGHT 2024 ACS on STN

AN 121:205394 MARPAT [Full-text](#)

TI Substituted Imidazo[4,5-b]pyridines and Benzimidazoles

IN Mueller-Gliemann, Matthias; Dressel, Juergen; Fey, Peter; Hanko, Rudolf;  
Huebsch, Walter; Kraemer, Thomas; Mueller, Ulrich; Beuck, Martin; Kazda,  
Stanislav; et al.

PA Bayer A.-G., Germany

UO BAYER AG

UOS Bayer

SO Ger. Offen., 23 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

|      | PATENT NO.      | KIND | DATE     | APPLICATION NO. | DATE     |
|------|-----------------|------|----------|-----------------|----------|
| PI   | DE 4302956      | A1   | 19940804 | DE 1993-4302956 | 19930203 |
|      | EP 610698       | A2   | 19940817 | EP 1994-100846  | 19940121 |
|      | EP 610698       | A3   | 19940914 |                 |          |
|      | EP 610698       | B1   | 20010516 |                 |          |
|      | AT 201207       | T    | 20010615 | AT 1994-100846  | 19940121 |
|      | PT 610698       | E    | 20010830 | PT 1994-100846  | 19940121 |
|      | ES 2158868      | T3   | 20010916 | ES 1994-100846  | 19940121 |
|      | US 5527809      | A    | 19960618 | US 1994-187925  | 19940127 |
|      | JP 06247968     | A    | 19940906 | JP 1994-30921   | 19940202 |
|      | GR 3036287      | T3   | 20011031 | GR 2001-401137  | 20010726 |
| PRAI | DE 1993-4302956 |      | 19930203 |                 |          |

PSPI

| PATENT NO.  | KIND | STATUS | STATUS DATE |
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| DE 4302956  | A1   | Dead   | 20201106    |
| EP 610698   | A2   | Dead   | 20201106    |
| EP 610698   | A3   | Dead   | 20201106    |
| EP 610698   | B1   | Dead   | 20201107    |
| AT 201207   | T    | Dead   | 20201107    |
| PT 610698   | E    | Dead   | 20201106    |
| ES 2158868  | T3   | Dead   | 20201107    |
| US 5527809  | A    | Dead   | 20201106    |
| JP 06247968 | A    | Dead   | 20201106    |
| GR 3036287  | T3   | Dead   | 20201121    |

OS CASREACT 121:205394

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|                      | ENTRY      | SESSION |
| FULL ESTIMATED COST  | 503.24     | 679.66  |

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FILE 'HOME' ENTERED AT 08:47:11 ON 26 SEP 2024

=> Fil REGISTRY

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST  | 0.35             | 0.35          |

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DICTIONARY FILE UPDATES: 25 SEP 2024 HIGHEST RN 3055759-12-8

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy>

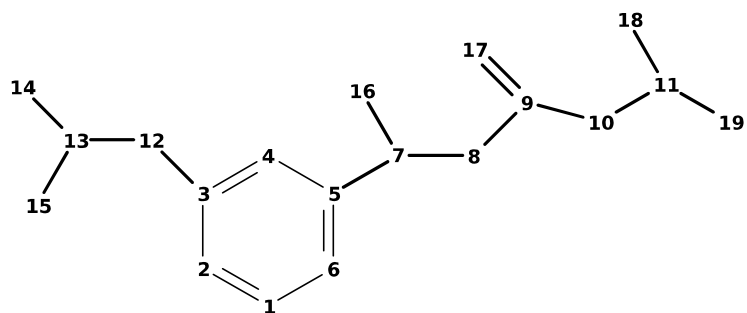
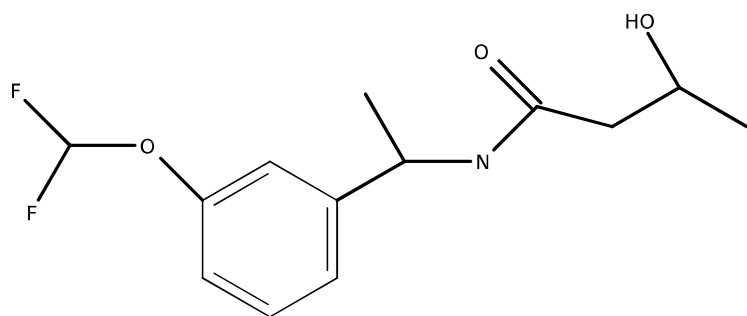
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Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/training/stn/database-specific>

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Uploading structure file: 2024\_0027\_Structure



#### Node Attributes

Ring Nodes : 1 2 3 4 5 6

Chain Nodes : 7 8 9 10 11 12 13 14 15 16 17 19

#### Bond Attributes

Ring Bonds : 1-2 2-3 3-4 4-5 5-6 6-1

Chain Bonds : 3-12 5-7 7-8 7-16 8-9 9-10 9-17 10-11 11-18 11-19 12-13 13-14 13-15

Exact Bonds : 5-7 7-16 9-10 10-11 11-19 13-14 13-15

Normalized Bonds : 1-2 2-3 3-4 4-5 5-6 6-1

Exact/Normalized Bonds : 3-12 7-8 8-9 9-17 11-18 12-13

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Match Level (ATOM) : 1 2 3 4 5 6

Match Level (CLASS) : 7 8 9 10 11 12 13 14 15 16 17 18 19

Element Count Level (LIMITED) : 1 2 3 4 5 6 7 8 9 10 11 12 13 14  
15 16 17 18 19

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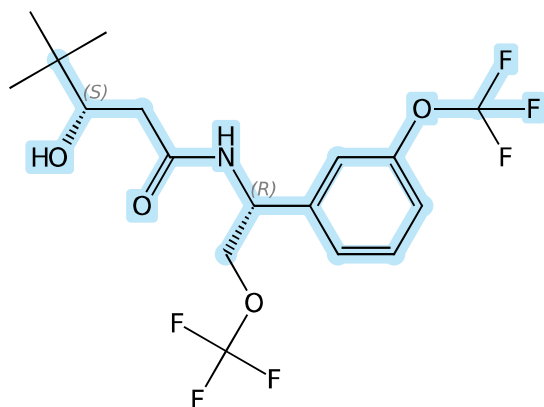
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PROJECTED ANSWERS: 6 TO 265

L2 6 SEA SSS SAM L1

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L2 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2024 ACS on STN  
RN 2595180-71-3 REGISTRY  
ED Entered STN: 22 Feb 2021  
CN Pentanamide, 3-hydroxy-4,4-dimethyl-N-[(1R)-2-(trifluoromethoxy)-1-[3-(trifluoromethoxy)phenyl]ethyl]-, (3S)- (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN (3S)-3-Hydroxy-4,4-dimethyl-N-[(1R)-2-(trifluoromethoxy)-1-[3-(trifluoromethoxy)phenyl]ethyl]pentanamide  
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SR CA  
LC STN Files: CA, CAPLUS, CASBIOACTIVI, CASREACT, TOXCENTER, USPAT2, USPATFULL



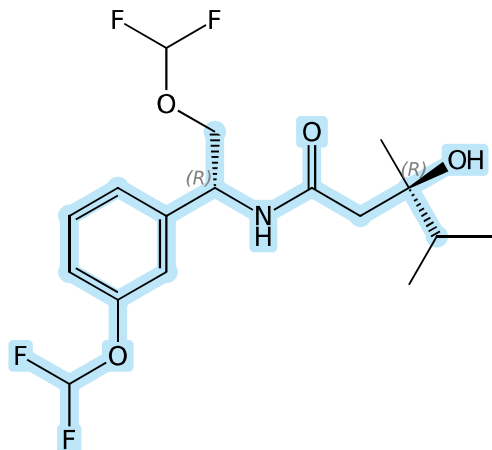
Absolute stereochemistry shown

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3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2024 ACS on STN  
RN 2595180-58-6 REGISTRY  
ED Entered STN: 22 Feb 2021  
CN Pentanamide, N-[(1R)-2-(difluoromethoxy)-1-[3-(difluoromethoxy)phenyl]ethyl]-3-hydroxy-3,4-dimethyl-, (3R)- (CA INDEX NAME)

NAME)  
 OTHER CA INDEX NAMES:  
 CN (3R)-N-[(1R)-2-(Difluoromethoxy)-1-[3-(difluoromethoxy)phenyl]ethyl]-3-hydroxy-3,4-dimethylpentanamide  
 FS STEREOSEARCH  
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 SR CA  
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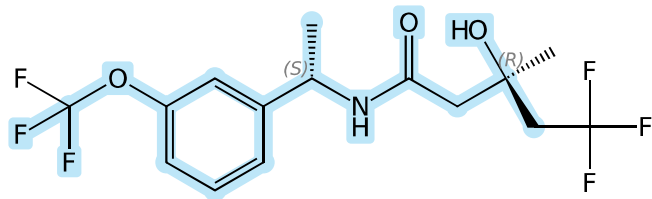


Absolute stereochemistry shown

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L2 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2024 ACS on STN  
 RN 2375043-72-2 REGISTRY  
 ED Entered STN: 11 Sep 2019  
 CN Pentanamide, 5,5,5-trifluoro-3-hydroxy-3-methyl-N-[(1S)-1-[3-(trifluoromethoxy)phenyl]ethyl]-, (3R)- (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN (3R)-5,5,5-Trifluoro-3-hydroxy-3-methyl-N-[(1S)-1-[3-(trifluoromethoxy)phenyl]ethyl]pentanamide  
 FS STEREOSEARCH  
 MF C15 H17 F6 N O3  
 SR CA  
 LC STN Files: CA, CAPLUS, CASBIOACTIVI, CASREACT, TOXCENTER, USPAT2, USPATFULL

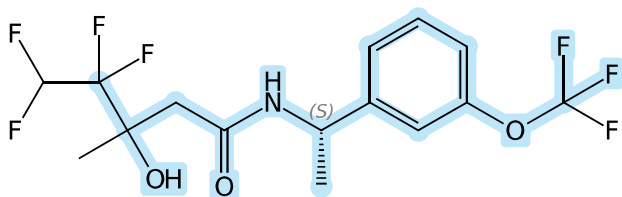


Absolute stereochemistry shown  
 Rotation (-)

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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L2 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2024 ACS on STN  
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 ED Entered STN: 11 Sep 2019  
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 OTHER CA INDEX NAMES:  
 CN 4,4,5,5-Tetrafluoro-3-hydroxy-3-methyl-N-[(1S)-1-[3-(trifluoromethoxy)phenyl]ethyl]pentanamide  
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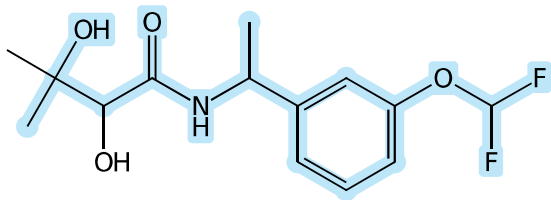


Absolute stereochemistry shown

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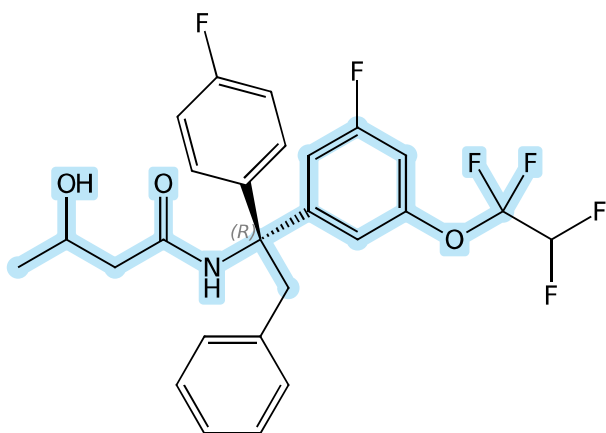
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 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2024 ACS on STN  
 RN 2179538-94-2 REGISTRY  
 ED Entered STN: 26 Feb 2018  
 CN Butanamide, N-[1-[3-(difluoromethoxy)phenyl]ethyl]-2,3-dihydroxy-3-methyl- (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN N-[1-[3-(Difluoromethoxy)phenyl]ethyl]-2,3-dihydroxy-3-methylbutanamide  
 MF C14 H19 F2 N O4  
 SR Chemical Library  
 Supplier: Aurora Fine Chemicals  
 LC STN Files: CHEMCATS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L2 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2024 ACS on STN  
 RN 939391-24-9 REGISTRY  
 ED Entered STN: 26 Jun 2007  
 CN Butanamide, N-[(1R)-1-(4-fluorophenyl)-1-[3-fluoro-5-(1,1,2,2-tetrafluoroethoxy)phenyl]-2-phenylethyl]-3-hydroxy- (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN N-[(1R)-1-(4-Fluorophenyl)-1-[3-fluoro-5-(1,1,2,2-tetrafluoroethoxy)phenyl]-2-phenylethyl]-3-hydroxybutanamide  
 FS STEREOSEARCH  
 MF C26 H23 F6 N O3  
 SR CA  
 LC STN Files: CA, CAPLUS, CASREACT, USPAT2, USPATFULL



Absolute stereochemistry shown

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> Fil CAPLUS

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|----------------------|------------------|---------------|
| FULL ESTIMATED COST  | 65.16            | 65.51         |

FILE 'CAPLUS' ENTERED AT 08:53:33 ON 26 SEP 2024  
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FILE LAST UPDATED: 25 Sep 2024 (20240925/ED)

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<http://www.cas.org/legal/infopolicy>

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\*\* REGISTRY INITIATED \*\*  
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Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

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FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 1047 TO 2113  
PROJECTED ANSWERS: 6 TO 265

L3 6 SEA SSS SAM L1

L4 8 L3

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L4 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2024 ACS on STN  
[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)  
AN 2024:569683 CAPLUS [Full-text](#)  
DN 186:201552  
TI Combination therapies including metal channel activators for treatment of  
neurological disorders  
IN Coric, Vladimir; Dworetzki, Steven I.  
PA Biohaven Therapeutics Ltd., Virgin I. (Brit.)  
UO PFIZER INC  
UOS Pfizer  
SO PCT Int. Appl., 1286pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1  
PPPI

| PATENT NO.    |                   | KIND                                                   | DATE     | LANGUAGE        | PatentPak                                                                |
|---------------|-------------------|--------------------------------------------------------|----------|-----------------|--------------------------------------------------------------------------|
| WO 2024054811 |                   | A1                                                     | 20240314 | English         | <a href="#">PDF</a>   <a href="#">PDF+</a>   <a href="#">Interactive</a> |
| PATENT NO.    |                   | KIND                                                   | DATE     | APPLICATION NO. | DATE                                                                     |
| WO 2024054811 |                   | A1                                                     | 20240314 | WO 2023-US73504 | 20230906                                                                 |
| PRAI          | US 2022-63403911  | P                                                      | 20220906 |                 |                                                                          |
| PATENT NO.    |                   | KIND                                                   | STATUS   | STATUS DATE     |                                                                          |
| WO 2024054811 |                   | A1                                                     | Alive    | 20240321        |                                                                          |
| OS            | MARPAT 186:201552 |                                                        |          |                 |                                                                          |
| RE.CNT        | 4                 | THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD |          |                 |                                                                          |
|               |                   | ALL CITATIONS AVAILABLE IN THE RE FORMAT               |          |                 |                                                                          |

| PUBLICATIONS     |  | APPLICATIONS    | REGISTER                                                  |
|------------------|--|-----------------|-----------------------------------------------------------|
| WO 2024054811 A1 |  | WO 2023-US73504 | <a href="#">Register</a>   <a href="#">Global Dossier</a> |

L4 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2024 ACS on STN  
[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)  
AN 2021:365444 CAPLUS [Full-text](#)  
DN 174:489814  
TI Alcohol derivatives as Kv7 potassium channel openers for use in epilepsy  
or seizures and their preparation

IN Sams, Anette Graven; Rottlaender, Mario; Wang, Xiaofang; Das, Debasis;  
Hong, Jian; Chen, Shu Hui; Bastlund, Jesper Frank; Ivkovic, Jelena; Soeby,  
Karina Kroejer; Larsen, Morten Grupe  
PA H. Lundbeck A/S, Den.  
UO H. LUNDBECK A/S  
UOS Lundbeck  
SO PCT Int. Appl., 136pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1  
PPPI

| PATENT NO.     | KIND | DATE     | LANGUAGE | PatentPak                                                                |
|----------------|------|----------|----------|--------------------------------------------------------------------------|
| WO 2021023616  | A1   | 20210211 | English  | <a href="#">PDF</a>   <a href="#">PDF+</a>   <a href="#">Interactive</a> |
| CN 114206328   | A    | 20220318 | Chinese  | <a href="#">PDF</a>                                                      |
| CN 114206328   | B    | 20240917 | Chinese  | <a href="#">PDF</a>                                                      |
| US 20220280455 | A1   | 20220908 | English  | <a href="#">PDF</a>                                                      |

| PATENT NO.          | KIND | DATE     | APPLICATION NO.  | DATE     |
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| WO 2021023616       | A1   | 20210211 | WO 2020-EP71514  | 20200730 |
| TW I788325          | B    | 20230101 | TW 2018-105794   | 20180221 |
| CN 114206328        | A    | 20220318 | CN 2020-80054003 | 20200730 |
| CN 114206328        | B    | 20240917 |                  |          |
| EP 4007571          | A1   | 20220608 | EP 2020-749878   | 20200730 |
| JP 2022543230       | T    | 20221011 | JP 2022-506568   | 20200730 |
| US 20220280455      | A1   | 20220908 | US 2022-17631762 | 20220131 |
| PRAI EP 2019-189744 | A    | 20190802 |                  |          |
| WO 2020-EP71514     | T0   | 20200730 |                  |          |

| PATENT NO.     | KIND | STATUS | STATUS DATE |
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| CN 114206328   | A    | Alive  | 20220324    |
| EP 4007571     | A1   | Alive  | 20220609    |
| JP 2022543230  | T    | Alive  | 20221020    |
| US 20220280455 | A1   | Alive  | 20220915    |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS CASREACT 174:489814; MARPAT 174:489814

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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| EP 4007571 A1     | EP 2020-749878   | <a href="#">Register</a>   <a href="#">Federated Reg.</a> |
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L4 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2024 ACS on STN  
[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 2021:353902 CAPLUS [Full-text](#)

DN 174:472776

TI Alcohol derivatives as Kv7 potassium channel openers and their preparation

IN Sams, Anette Graven; Rottlaender, Mario; Larsen, Krestian; Wang, Xiaofang;  
Das, Debasis; Hong, Jian; Chen, Shu Hui

PA H. Lundbeck A/S, Den.

UO H. LUNDBECK A/S

UOS Lundbeck

SO PCT Int. Appl., 182pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

PPPI

| PATENT NO. | KIND | DATE | LANGUAGE | PatentPak |
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|------------|------|------|----------|-----------|

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| PI | WO 2021023617 | A1 | 20210211 | English  | <a href="#">PDF</a>   <a href="#">PDF+</a>   <a href="#">Interactive</a> |
|    | CA 3148719    | A1 | 20210211 | English  | <a href="#">PDF</a>                                                      |
|    | CN 114206830  | A  | 20220318 | Chinese  | <a href="#">PDF</a>                                                      |
|    | CN 114206830  | B  | 20240730 | Chinese  | <a href="#">PDF</a>                                                      |
|    | KR 2022041084 | A  | 20220331 | Korean   | <a href="#">PDF</a>                                                      |
|    | JP 2022543203 | T  | 20221011 | Japanese | <a href="#">PDF</a>                                                      |
|    | RU 2822797    | C2 | 20240715 | Russian  | <a href="#">PDF</a>                                                      |

| PI   | PATENT NO.       | KIND | DATE     | APPLICATION NO.      | DATE     |
|------|------------------|------|----------|----------------------|----------|
|      | WO 2021023617    | A1   | 20210211 | WO 2020-EP71520      | 20200730 |
|      | CA 3148719       | A1   | 20210211 | CA 2020-3148719      | 20200730 |
|      | MX 2022001063    | A    | 20220214 | MX 2022-1063         | 20200730 |
|      | BR 112021006324  | A2   | 20220215 | BR 2021-112021006324 | 20200730 |
|      | AU 2020325517    | A1   | 20220224 | AU 2020-325517       | 20200730 |
|      | CR 20220028      | A    | 20220302 | CR 2022-28           | 20200730 |
|      | CN 114206830     | A    | 20220318 | CN 2020-80051950     | 20200730 |
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|      | KR 2022041084    | A    | 20220331 | KR 2022-7002204      | 20200730 |
|      | EP 4007634       | A1   | 20220608 | EP 2020-749879       | 20200730 |
|      | JP 2022543203    | T    | 20221011 | JP 2022-505198       | 20200730 |
|      | JO 2022000017    | A1   | 20230130 | JO 2022-17           | 20200730 |
|      | GE 2024015862    | A    | 20240125 | GE 2020-15862        | 20200730 |
|      | GE 2024007629    | B    | 20240610 |                      |          |
|      | RU 2822797       | C2   | 20240715 | RU 2022-101643       | 20200730 |
|      | ZA 2021009598    | A    | 20240424 | ZA 2021-9598         | 20211125 |
|      | IN 202117059102  | A    | 20220624 | IN 2021-17059102     | 20211217 |
|      | CO 2022000080    | A2   | 20220117 | CO 2022-80           | 20220111 |
|      | TH 2201000475    | A    | 20240916 | TH 2022-2201000475   | 20220125 |
|      | CL 2022000221    | A1   | 20221007 | CL 2022-221          | 20220127 |
| PRAI | CL 67689         | B    | 20230929 |                      |          |
|      | DO 2022000026    | A    | 20220331 | DO 2022-26           | 20220202 |
|      | EP 2019-189750   | A    | 20190802 |                      |          |
|      | CN 2019-10734123 | A    | 20190809 |                      |          |
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|      | CA 3148719      | A1    | Alive  | 20220331    |
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|      | JP 2022543203   | T     | Alive  | 20221020    |
|      | JO 2022000017   | A1    | Alive  | 20230323    |
|      | GE 2024007629   | B     | Alive  | 20240718    |
|      | ZA 2021009598   | A     | Alive  | 20240509    |
|      | CO 2022000080   | A2    | Alive  | 20220203    |
|      | CL 2022000221   | A1    | Alive  | 20221117    |
|      | DO 2022000026   | A     | Alive  | 20220519    |

OS CASREACT 174:472776; MARPAT 174:472776

OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

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| CL 2022000221 A1   | CL 2022-221          | <a href="#">Register</a>                                  |
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| CN 114206830 A     | CN 2020-80051950     | <a href="#">Register</a>   <a href="#">Global Dossier</a> |
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| CO 2022000080 A2   | CO 2022-80           | <a href="#">Register</a>                                  |

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| DO 2022000026 A   | DO 2022-26         | <a href="#">Register</a>                                  |
| EP 4007634 A1     | EP 2020-749879     | <a href="#">Register</a>   <a href="#">Federated Reg.</a> |
| GE 2024007629 B   | GE 2020-15862      | <a href="#">Register</a>                                  |
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L4 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2024 ACS on STN  
[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 2021:295982 CAPLUS [Full-text](#)

DN 174:439749

TI Preparation of alcohol derivatives, especially  
3-hydroxy-3,3-disubstituted-N-[(S)-1-(3-substituted  
phenyl)ethyl]propanamides as Kv7 potassium channel openers  
IN Rottlander, Mario; Wang, Xiaofang; Das, Debasis; Hong, Jian; Chen, Shu  
Hui; Sams, Anette Graven; Larsen, Krestian

PA H. Lundbeck A/S, Den.

UO H. LUNDBECK A/S

UOS Lundbeck

SO U.S. Pat. Appl. Publ., 69pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

PPPI

| PATENT NO.     | KIND | DATE     | LANGUAGE | PatentPak                                                                |
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| US 11548849    | B2   | 20230110 | English  | <a href="#">PDF</a>                                                      |

PI

| PATENT NO.          | KIND | DATE     | APPLICATION NO.  | DATE     |
|---------------------|------|----------|------------------|----------|
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| US 11548849         | B2   | 20230110 |                  |          |
| AR 119521           | A1   | 20211222 | AR 2020-102131   | 20200729 |
| PRAI EP 2019-189750 | A    | 20190802 |                  |          |

PSPI

| PATENT NO.     | KIND | STATUS | STATUS DATE |
|----------------|------|--------|-------------|
| US 20210032196 | A1   | Alive  | 20210211    |
| US 11548849    | B2   | Alive  | 20230119    |
| AR 119521      | A1   | Alive  | 20220407    |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS CASREACT 174:439749; MARPAT 174:439749

LINK INFORMATION

| PUBLICATIONS      | APPLICATIONS     | REGISTER                                                  |
|-------------------|------------------|-----------------------------------------------------------|
| AR 119521 A1      | AR 2020-102131   | <a href="#">Register</a>                                  |
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L4 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2024 ACS on STN  
[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 2019:1649727 CAPLUS [Full-text](#)

DN 171:339916

TI Preparation of alcohol derivatives, especially  
3-hydroxy-3,3-disubstituted-N-[(S)-1-(3-substituted  
phenyl)ethyl]propanamides as Kv7 potassium channel openers  
IN Rottlander, Mario; Sams, Anette Graven; Wang, Xiaofang; Das, Debasis;  
Hong, Jian; Chen, Shu Hui

PA H. Lundbeck A/S, Den.

UO H. LUNDBECK A/S

UOS Lundbeck

SO PCT Int. Appl., 130pp.; Chemical Indexing Equivalent to 171:325246 (US)

CODEN: PIXXD2

DT Patent  
LA English  
FAN.CNT 2  
PPPI

| PATENT NO.     | KIND | DATE     | LANGUAGE | PatentPak                                                                |
|----------------|------|----------|----------|--------------------------------------------------------------------------|
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| US 20190256456 | A1   | 20190822 | English  | <a href="#">PDF</a>   <a href="#">PDF+</a>   <a href="#">Interactive</a> |
| US 10590067    | B2   | 20200317 | English  | <a href="#">PDF</a>                                                      |
| CN 111727182   | A    | 20200929 | Chinese  | <a href="#">PDF</a>                                                      |
| EP 3755684     | B1   | 20230712 | English  | <a href="#">PDF</a>                                                      |
| JP 2021519814  | T    | 20210812 | Japanese | <a href="#">PDF</a>                                                      |
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| CN 116589375   | A    | 20230815 | Chinese  | <a href="#">PDF</a>                                                      |
| EP 4241843     | A2   | 20230913 | English  | <a href="#">PDF</a>                                                      |
| EP 4241843     | A3   | 20230927 | English  | <a href="#">PDF</a>                                                      |

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| PATENT NO.       | KIND | DATE     | APPLICATION NO.      | DATE     |
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| BR 112019021960  | A2   | 20200825 | BR 2019-112019021960 | 20180220 |
| CN 111727182     | A    | 20200929 | CN 2018-80089423     | 20180220 |
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| MA 51881         | A    | 20201230 | MA 2018-51881        | 20180220 |
| MA 51881         | B1   | 20230831 |                      |          |
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| CN 116589375     | A    | 20230815 | CN 2023-10501178     | 20180220 |
| EP 4241843       | A2   | 20230913 | EP 2023-176632       | 20180220 |
| EP 4241843       | A3   | 20230927 |                      |          |
| RS 64479         | B1   | 20230929 | RS 2023-574          | 20180220 |
| ES 2951656       | T3   | 20231024 | ES 2018-708346       | 20180220 |
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| CN 2018-80089423 | A3   | 20180220 |                      |          |
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| WO 2018-EP54057  | W    | 20180220 |                      |          |

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| BR 112019021960 | A2   | Alive         | 20201121    |
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| JP 2021519814   | T    | Alive         | 20210820    |
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| CN 116589375    | A    | Alive         | 20230907    |
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| RS 64479        | B1   | Alive         | 20231019    |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS CASREACT 171:339916; MARPAT 171:339916

OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

LINK INFORMATION

| PUBLICATIONS       | APPLICATIONS         | REGISTER                                                  |
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L4 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2024 ACS on STN  
[PatentPak PDF](#) | [PatentPak PDF+](#) | [PatentPak Interactive](#)

AN 2019:1616697 CAPLUS [Full-text](#)

DN 171:325246

TI Preparation of alcohol derivatives, especialy  
3-hydroxy-3,3-disubstituted-N-[(S)-1-(3-substituted  
phenyl)ethyl]propanamides as Kv7 potassium channel openers  
IN Rottlander, Mario; Sams, Anette Graven; Wang, Xiaofang; Das, Debasis;  
Hong, Jian; Chen, Shu Hui

PA H. Lundbeck A/S, Den.

UO H. LUNDBECK A/S

UOS Lundbeck

SO U.S. Pat. Appl. Publ., 47pp.; Chemical Indexing Equivalent to 171:339916  
(WO)

CODEN: USXXCO

DT Patent

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FAN.CNT 2

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| EP 4241843     | A2   | 20230913 | English  | <a href="#">PDF</a>                                                      |
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| US 2020-16781106      | A3   | 20200204 |                  |          |

PSPI

| PATENT NO.     | KIND | STATUS | STATUS DATE |
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TI Preparation of heterocyclic and aromatic ureas and amides as CEPT inhibitors  
IN Salvati, Mark E.; Finlay, Heather; Harikrishnan, Lalgudi S.; Jiang, Ji; Johnson, James A.; Kamau, Muthoni G.; Lawrence, R. Michael; Lloyd, John; Miller, Michael M.; Pi, Zulan; Qiao, Jennifer X.; Rampulla, Richard A.; Roberge, Jacques Y.; Wang, Tammy C.; Wang, Yufeng; Yang, Wu  
PA Bristol-Myers Squibb Company, USA  
UO BRISTOL-MYERS SQUIBB CO  
UOS Bristol-Myers Squibb  
SO U.S., 576pp.  
CODEN: USXXAM  
DT Patent  
LA English  
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DN 147:52716  
TI Preparation of heterocyclic and aromatic ureas and amides as CEPT inhibitors  
IN Salvati, Mark E.; Finlay, Heather; Chen, Bang-Chi; Harikrishnan, Lalgudi S.; Jiang, Ji; Johnson, James A.; Kamau, Muthoni G.; Lawrence, Michael R.; Li, Jianqing; Lloyd, John; Miller, Michael Matthew; Pi, Zulan; Qiao, Jennifer X.; Rampulla, Richard; Wang, Tammy C.; Wang, Yufeng; Yang, Wu; Roberge, Jacques Y.  
PA Bristol-Myers Squibb Company, USA  
UO BRISTOL-MYERS SQUIBB CO  
UOS Bristol-Myers Squibb  
SO PCT Int. Appl., 824pp.  
CODEN: PIXXD2  
DT Patent  
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