

INFORME DE BÚSQUEDA DE PATENTES

N° de solicitud: NC2017/0011738

CRITERIOS PARA LA BÚSQUEDA (Anexar pantallazo o reporte en PDF, junto con los boléanos utilizados*. Para el caso de secuencias, anexar alineamientos)

PALABRAS CLAVE UTILIZADAS Merial and depsipeptide and (anthelmintic or antiparasitic or vermifuge or vermicide)

CLASIFICACIONES UTILIZADAS PARA LA BÚSQUEDA CIP: A01N43/72; C07D273/00; C07K11/02

CPC:

DOCUMENTOS CONSIDERADOS RELEVANTES (documentos patentes, literatura no patente, etc...)

Informes/Base de datos	N° de solicitud/ Autor**	Fecha de Publicación/Presentación (DD/MM/AAAA)	Reiv. afectadas (Con indicación, si procede, de las partes relevantes o números de secuencias)	Categorías especiales de los documentos citados***
SIPI (Obligatoria)	NC2017/0011284	31/01/2018	----	E
	NC2018/0006527	10/07/2018	1, 2, 4, 26, 27, 29, 30, 51 - 57	E
Patbase*	WO06053641	26/05/2006	----	A
	WO06094664	14/09/2006	----	A
	WO9966794	29/12/1999	----	A
Espacenet	US6369028	09/04/2002	1 – 21 y 23 – 29	X
			22	Y
	EP0685469	06/12/1995	----	A
	EP0634408	18/01/1995	----	A
	EP0626375	30/11/1994	----	A

*** Categorías especiales de documentos citados:

“A” documento que define el estado general de la técnica no considerado como particularmente relevante.
 “E” solicitud de patente o patente anterior pero publicada en la fecha de presentación internacional o en fecha posterior.
 “P” documento publicado antes de la fecha de presentación internacional pero con posterioridad a la fecha de prioridad reivindicada.
 “X” documento particularmente relevante; la invención reivindicada no puede considerarse nueva o que implique una actividad inventiva por referencia al documento aisladamente considerado.
 “Y” documento particularmente relevante; la invención reivindicada no puede considerarse que implique una actividad inventiva cuando el documento se asocia a otro u otros documentos de la misma naturaleza, cuya combinación resulta evidente para un experto en la materia.

**** Indicar entre paréntesis la Autoridad que realizó la búsqueda o el informe preliminar Ejs: EPO, JP, INAPI.

Literatura no patente

**Se incluye entre otros, toda la referencia de la literatura no patente.

* Scherkenbeck, J.; Harder, A.; Plant, A. and Dyker, H. PF1022A - A novel anthelmintic cyclooctadepsipeptide. Modification and exchange of the N-methyl lucine residues. Bioorganic & Medicinal Chemistry Letters, 1998, 8, 1035-1040.

** Krucken, J.; Harder, A.; Jeschke, P.; Holden-Dye, L.; O'Connor, V.; Welz, C. and Samson-Himmelstjerna, G. Anthelmintic cyclooctadepsipeptides: complex in structure and mode of action. Trends in Parasitology. 2012. 28. 385-394.

Fecha del reporte de búsqueda:

13/12/2018

fiveIPoffices - CCD

Number: WO2016187534 examples: EPJ612402, US2006000447A1, JP20090214944

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CCD Viewer

Citations only view Compact view Sort by country Filter (2) ▼ Classifications & fields searched

#	CC	Cat.	Citation details	Claims
2	WO		2001, vol. 66, pp. 3760-3766. Application N° WO2016U533522 (WO/2016/033522) - 20 May 2016 International Search Report	
X			EP0685469 A1 (MEIJI SEIKA KAISHA [JP]) - 8 December 1995	1-5, 14, 17-19-33
Y			* pages 12 - 10; examples 1 - 34 *	6-13, 18
X			EP0654408 A1 (FUJISAWA PHARMACEUTICAL CO [JP]) - 18 January 1995	1-5, 14, 17-19-33
Y			* examples 1 - 31 *	6-13, 18
X			EP0626375 A1 (BAYER AG [DE]) - 30 November 1994	1-12, 14, 17-19-33
Y			* tables 1, 2 *	6-13, 18
X			Antithemic cyclooctadepsipeptides: complex in structure and mode of action	1-5, 14, 17-19-33
Y			Authors: Jürgen Kruckan, Achim Harder, Peter Jaschke, Lindy Holden-Dye, Vincent O'Connor, Claudia Wied, Georg Von Samson-Himmelstjerna Publication date: Trends in Parasitology, 20120901 Elsevier Current Trends, 08 Source info: Vol. 28, Nr. 8, Page(s): 385 - 394 * page 389; Figure 1 *	6-13, 18
X			Cyclooctadepsipeptides - an anthelmintically active class of compounds exhibiting a novel mode of action	1-5, 14, 17-19-33
Y			Authors: HARDER A, ET AL Publication date: International Journal of Anticlimobial Agents, 20020901 ELSEVIER, AMSTERDAM, NL Source info: Vol. 22, Nr. 3, Page(s): 218 - 231 * figures 1, 10 *	6-13, 18
			Applicant:	
			US5514773 A (FUJISAWA PHARMACEUTICAL CO [JP]) - 7 May 1996	
			US5747448 A (MEIJI SEIKA KAISHA [JP]) - 5 May 1998	
			US5646244 A (FUJISAWA PHARMACEUTICAL CO [JP]) - 8 July 1997	
			US5874530 A (BAYER AG [DE]) - 23 February 1999	
			US5856436 A (FUJISAWA PHARMACEUTICAL CO [JP]) - 5 January 1999	
			US6033879 A (BAYER AG [DE]) - 7 March 2000	
			US5763221 A (MEIJI SEIKA KAISHA [JP]) - 9 June 1998	
			US6239338 B1 (MEIJI SEIKA KAISHA [JUS], et al) - 11 December 2001	
			US5116815 A (MEIJI SEIKA KAISHA [JP]) - 26 May 1992	
			US6468966 B1 (BAYER AG [DE]) - 22 October 2002	
			US6369028 B1 (BAYER AG [DE]) - 9 April 2002	

EP0685469.A1 (WO2016U533522)

Description Claims Original document > <

Bibliographic data: EP 0685469 | A1 ▼

Pf1022 derivative, cyclic depsipeptide.

Publication date: 6 December 1995

Inventor(s): OHYAMA MAKOTO PHARMA-TECHNOLOGY [JP]; OHSHIJI MAKI PHARMA-TECHNOLOGY [JP]; OKADA YUNIKO PHARMA-TECHNOLOGY [JP]; KOTAMA MASAO PHARM RES CTR MEI [JP]; SUMI SHINIRO PHARMA-TECHNOLOG [JP]; MURAI YASUSHI PHARMA-TECHNOLOG [JP]; TAKAGI MASAKI PHARM RES CTR M [JP]; OKADA TADAAKI PHARM RES CTR ME [JP]; SAKANAKA OSAMU PHARMA-TECHNOL [JP]; YONETA TOSHIO PHARMA-TECHNOLOG [JP]; INUMA KATSUHARU PHARMA-TECHNO [JP]; SHIBAHARA SEIJI PHARM RES CTR [JP]

Applicant(s): MEIJI SEIKA KAISHA [JP]

Classifications: **International:** C07D273/00
 Cooperative: C07D273/00; C07K11/02; A61K38/00

Application number: EP1994090704 19940218

Priority number(s): WO1994P00252 19940218
 JP19930029498 19930219
 JP19930029505 19930219

Abstract of EP 0685469 (A1)

A novel PF1022 derivative as a cyclic depsipeptide, represented by general formula (I), or a salt thereof, having the vermugical activity against various parasites living in man, domestic and pet animals, and the like and thus being useful as a vermiocide for preventing or treating infectious diseases caused by parasites. In formula (I) R<1>, R<2>, R<3> and R<4> represent each independently alkyl, cydohexylmethyl, optionally substituted benzyl, etc. and X, Y, Z and Q represent each independently methyl or hydrogen, excluding the case where all of the R<1>, R<3>, X, Y, Z and Q represent methyl groups and R<2> and R<4> represent benzyl groups at the same time.

Simple families: 1

Total family members: 16 (2)

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minesoft
chemical explorer

Search type:
Identity Similarity **Substructure**

Substructure search

Search options:	Description
☐ Resonance	Returns molecules whose resonance forms contain the query molecule.
☐ Tautomer	Returns chemical structures that are tautomers of the provided chemical structure.

Return structures:
Filter by molecular weight: -

Filter by molecular formula: contains

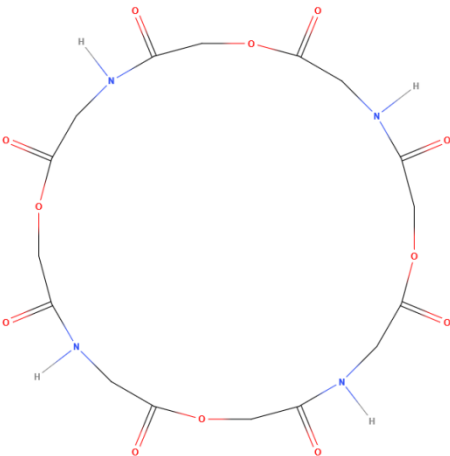
☐ Found in claims ☒ All

Country:

Number of structures to return:

Search **Clear**

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Search type:
Identity Similarity **Substructure**

Substructure search

Search options:	Description
☐ Resonance	Returns molecules whose resonance forms contain the query molecule.
☐ Tautomer	Returns chemical structures that are tautomers of the provided chemical structure.

Return structures:
Filter by molecular weight: -

Filter by molecular formula: contains

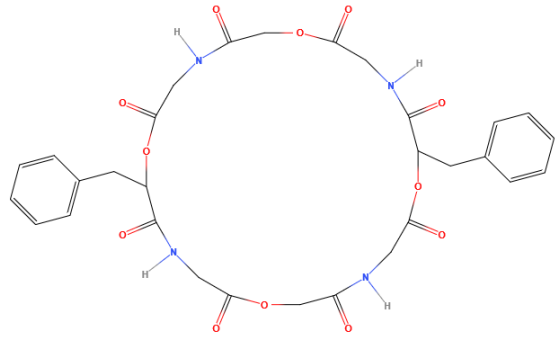
☐ Found in claims ☒ All

Country:

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Subaccount: none

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Search 7: 5 AND 6
Results 32

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#	Search query	Results	Options
7	5 AND 6	32	View Browse Hits Optimise more...
6	IC=(A01N43/72 OR C07D273/00 OR C07K11/02)	10054	View Browse Hits Optimise more...
5	3 and 4	195	View Browse Hits Optimise more...
4	PD=19000101.20150520	more than 1,000,000	View Browse Hits Optimise more...
3	[Chemical Explorer] Selected structures (52)	369	View Browse Hits Optimise more...
2	[Chemical Explorer] Selected structures (54)	369	View Browse Hits Optimise more...
1	[Chemical Explorer] Selected structures (64)	412	View Browse Hits Optimise more...

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PatBase - Search results 13 December 2018
Search query (7): 5 AND 6
Results: 32

Search history

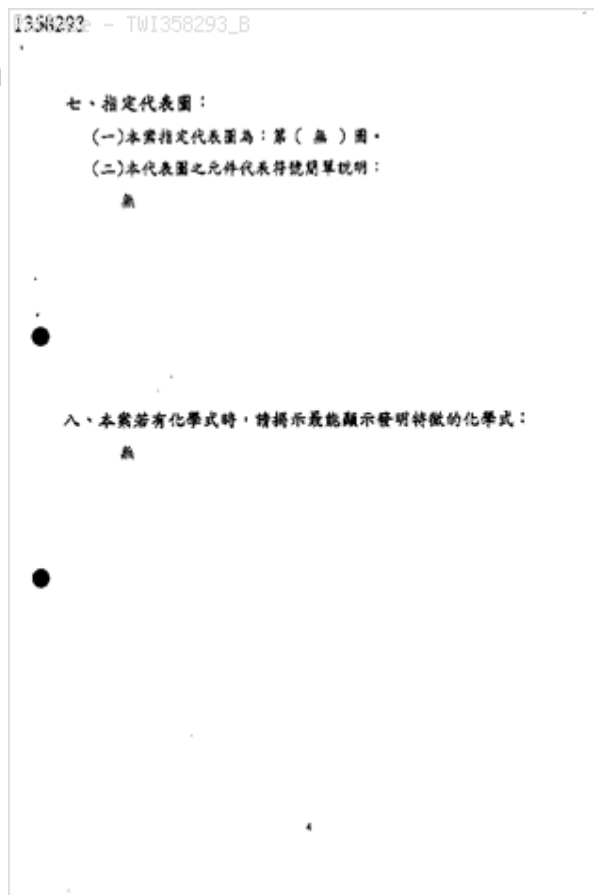
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Search 2: [Chemical Explorer]: Selected structures (54) (Results 369)
Search 3: [Chemical Explorer]: Selected structures (52) (Results 369)
Search 4: PD=19000101:20150520 (Results 1000000)
Search 5: 3 and 4 (Results 196)
Search 6: IC=(A01N43/72 OR C07D273/00 OR C07K11/02) (Results 10064)
Search 7: 5 AND 6 (Results 32)

Title: PREVENTING VERTICAL ENDOPARASITE INFECTIONS

Abstract: The present invention relates to the use of endoparasitocidal depsipeptides for producing pharmaceuticals for preventing vertical infection with endoparasites.

Classifications:

International (IPC 8-9): A61K A61K31/395
A61K38/00 A61K38/12 A61K38/15 A61P
A61P31/00 A61P33/00 A61P33/10 B65D
B65D47/00 B65D53/00 C07D273/00
C07K5/12 (Advanced/Invention);
A61K31/395 A61K38/15 A61P33/00
C07D273/00 (Advanced/Non-invention);
A61K31/395 A61K38/00 A61K38/12 A61K38/15
A61P31/00 A61P33/00 B65D47/00 B65D53/00
C07K5/00 (Core/Invention);
C07D273/00 (Core/Non-invention);
A61K A61P B65D (Subclass/Invention)
International (IPC 1-7): A61K31/395
A61K38/15 A61K38/15 A61P33/00 A61P33/00
C07D273/00
CPC: A61K38/15
European: A61K38/15
US: 514/1.1 514/11 530/317

**Family:**

Publication number	Publication date	Application number	Application date
AR052133 AA	20070307	AR2005P104792	20051115
AT469652 E	20100615	AT20050800013T	20051103
AU2005306070 AA	20060526	AU20050306070	20051103
AU2005306070 BB	20110512	AU20050306070	20051103
BRPI0518172 A	20081104	BR2005PI18172	20051103
CA2587537 AA	20070511	CA20052587537	20051103
CA2587537 C	20140603	CA20052587537	20051103
CN101102785 A	20080109	CN200580046655	20051103
CN101102785 B	20110518	CN200580046655	20051103
CN201102715 Y	20080820	CN200720125393U	20070904
CR9108 A	20070911	CR20070009108	20070509
DE102004055316 A1	20060518	DE200410055316	20041116
DE502005009697 D1	20100715	DE200550009697T	20051103
DK1814572 T3	20100920	DK20050800013T	20051103
EP1814572 A1	20070808	EP20050800013	20051103
EP1814572 B1	20100602	EP20050800013	20051103
ES2345265 T3	20100920	ES20050800013T	20051103
HK1110741 A2	20080718	HK20070105568	20070528
HK1117041 A1	20120309	HK20080107354	20080703

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HR20100471 T1	20101031	HR20100000471	20100830
IL183200 A0	20070819	IL20070183200	20070515
IL183200 A1	20111229	IL20050183200	20051103
JP2008520598 T2	20080619	JP20070541733T	20051103
JP5078619 B2	20121121	JP20070541733T	20051103
KR101280511 B1	20130701	KR20077011479	20051103
KR20070084412 A	20070824	KR20077011479	20051103
MX2007005766 A1	20070716	MX20070005766	20051103
MY142727 A	20101231	MY20050005348	20051115
NO20073023 A	20070810	NO20070003023	20070613
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NO341472 B1	20171120	NO20070003023	20070613
NZ555117 A	20091127	NZ20050555117	20051103
PE10792006 A1	20061130	PE20050001335	20051115
PT1814572 T	20100802	PT20050800013T	20051103
RU2007122284 A	20081227	RU20070122284	20051103
RU2405565 C2	20101210	RU20070122284	20051103
SI1814572 T1	20100930	SI20050031078T	20051103
TH104391 A	20101008	TH20051005014	20051026
TW200626140 A	20060801	TW20050140003	20051115
TWI358293 B	20120221	TW20050140003	20051115
UA91694 C2	20100825	UA20070006853	20051103
US2009215678 AA	20090827	US20050719379	20051103
WO06053641 A1	20060526	WO2005EP11748	20051103
ZA200703982 A	20080827	ZA20070003982	20070516

Priority:

DE200410055316 20040516 DE200410055316 20041116 EP20050800013 20051103
WO2005EP11748 20051103 HK20070105568 20070528

Probable Assignee: BAYER AG

Assignee(s): (std): BACH THOMAS ; BAJER EHNIMEHL KHEL S GMBKH ; BAYER AG ; BAYER ANIMAL HEALTH GMBH ; BAYER HEALTHCARE AG ; TAENZLER JANINA ; BAYER IP GMBH ; LIFENG IND CO LTD ; BAYER PHARMA AG ; MAXSON IND LTD

Assignee(s): BAYER INTELLECTUAL PROPERTY GMBH ; LIFENG INDUSTRIAL CO ; MAXSON INDUSTRIES LIMITED ; BAYER PHARMA AKTIENGESELLSCHAFT

Inventor(s): (std): FENG CHENG JIAN ; FON LIANG SIE ; JANINA TAENZLER ; JANINA TANZLER ; JIANFENG CHEN ; JIARONG LI ; SHIHUAN LIANG ; TAENZLER JANINA ; THOMAS BACH ; WING LEE KA ; TONZLER JANINA ; TAENZLER JANINA DR ; BACH THOMAS DR ; TEHNTSLER JANINA ; TANZLER JANINA ; BAKH TOMAS ; BACH THOMAS

Inventor(s): CHEN JIANFENG ; CHENG JIAN FENG ; JANINA TONZLER ; DR THOMAS BACH ; DR JANINA TAENZLER ; LEE KA WING ; LI JIARONG ; LIANG SHIHUAN ; LIANG SIE FON

Agent(s): DAVIES COLLISON CAVE PTY LTD; DAVIES COLLISON CAVE; FETHERSTONHAUGH AND CO; VICTOR CHU AND CO; CHINA PATENT AGENT HK LTD; REINHOLD COHN AND PARTNERS; BAYER HEALTHCARE LLC

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

Title: ENDOPARASITICIDAL COMPOSITIONS

Abstract: The present invention relates to compositions for external application which comprise emodepside and praziquantel or epsiprantel and 1,2-isopropylideneglycerol, to their preparation and to their use for controlling endoparasites.

Classifications:

International (IPC 8-9): A01N43/84 A01N43/90 A01P5/00 A61K31/495 A61K31/5513 A61K38/15 A61K9/00 A61P33/00 A01N A01N25/02 A01N43/72 A01P A01P7/04 A61K A61K31/395 A61K31/4985 A61K31/5377 A61K31/5395 A61K31/55 A61K31/551 A61K38/08 A61K38/12 A61K47/10 A61K47/12 A61K47/22 A61K9/08 A61P A61P33/10 C07D273/00 C07D413/00 C07D413/14 C07D471/04 C07D487/02 C07K11/02 (Advanced/Invention); A61K31/4985 A61K31/5377 A61K31/55 A61K31/5513 A61K47/22 A61P33/00 (Advanced/Non-invention); A01N25/02 A01N43/00 A01N43/72 A01N43/90 A01P5/00 A01P7/04 A61K31/00 A61K31/395 A61K31/495 A61K31/4985 A61K31/5375 A61K31/55 A61K31/551 A61K38/00 A61K38/12 A61K38/15 A61K47/00 A61K47/22 A61K9/00 A61K9/08 A61P33/00 (Core/Invention); A01N A01P A61K A61P (Subclass/Invention)

International (IPC 1-7): A01N43/84 A01N43/90 A61K31/495 A61K31/5513 A61K38/15 A61K47/22 A61K9/00 A61P33/00

CPC: A01N43/90 A61K9/0014 A61K9/0017 A61K38/08 A61K38/12 A61K38/15 A61K47/10 A61K47/12 A01N25/02 A01N2300/00 A61K2300/00 A01N43/84 A61K31/5513 A61K47/22

European: A01N43/90 A61K38/08 A61K38/12 A61K38/15 A61K47/10 A61K47/12 A61K9/00M3 A61K9/00M3B

US: 514/1.1 514/1.100P 514/11

PatBase - NZ561754_A

END

Family:

Publication number	Publication date	Application number	Application date
AR053691 AA	20070516	AR2006P100887	20060309
AU2006222314 AA	20060914	AU20060222314	20060227
AU2006222314 BB	20120405	AU20060222314	20060227
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EP1863535 A1	20071212	EP20060707279	20060227
EP1863535 B1	20170607	EP20060707279	20060227
ES2639394 T3	20171026	ES20060707279T	20060227
GT200600106 A	20061107	GT20060000106	20060309
HK1121377 A1	20090424	HK20080112898	20081125
HK1121377 A3	20090424	HK20080112898	20081125

HK1181658 A1	20131115	HK20130109002	20130801
HR20171354 T1	20171103	HR20170001354	20170907
HU036294 T2	20180628	HU20060707279T	20060227
IL185856 A0	20080106	IL20060185856	20060227
IL185856 A1	20160630	IL20060185856	20060227
IN06933DN2007 A	20070928	IN2007DN06933	20070907
IN278191 B	20161223	IN2007DN06933	20070907
JP2008532959 T2	20080821	JP20080500080T	20060227
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JP5232635 B2	20130710	JP20080500080T	20060227
KR101856817 B1	20180510	KR20147007660	20060227
KR20070119673 A	20071220	KR20077023177	20071010
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KR20160148717 A	20161226	KR20167034772	20060227
MX2007010990 A1	20071107	MX20070010990	20060227
MY163037 A	20170815	MY20060001068	20060310
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NO342645 B1	20180625	NO20070005039	20071005
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TR201712702 T4	20171121	TR20170012702T	20060227
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US2008255037 AA	20081016	US20060908309	20060227
UY29417 A1	20061031	UY20060029417	20060310
WO06094664 A1	20060914	WO2006EP01759	20060227
ZA200707732 A	20090624	ZA20070007732	20070910

Priority:

DE200510011779 20050311 EP20060707279 20060227 WO2006EP01759 20060227
JP20080500080 20060227 JP20080500080T 20060227

Probable Assignee: BAYER AG

Assignee(s): (std): BAYER ANIMAL HEALTH GMBH ; BAYER HEALTHCARE AG ; BAYER INTELLECTUAL PROPERTY GMBH ; KANIKANTI VENKATA RANGARAO ; TRAEUBEL MICHAEL ; BAYER IP GMBH ; BAYER PHARMA AG ; BAYER EHNIMEHL KHEL S GMBKH

Assignee(s): BAYER AG

Inventor(s): (std): KANIKANTI VENTAKA RANGARAO ; TRAUBEL DR MICHAEL ; TROJBEL MIKHAEHL ; VENKATA RANGARAO KANIKANTI ; TROUBEL MICHAEL ; TRAUBEL MICHAEL ; TRAEUBEL MICHAEL DR ; TRAEUBEL MICHAEL ; DR VENKATA RANGARAO KANIKANTI ; KANIKANTI DR VENKATA RANGARAO ; MICHAEL TRAEUBEL ; KANIKANTI VENKATA RANGARAO ; DR MICHAEL TRAEUBEL

Inventor(s): KANIKANTI VENKATA-RANGARAO ; DR MICHAEL TRAUBEL ; MICHAEL TROUBEL ; MICHAEL TRAUBEL ; TROJBEL' MIKHAEHL'

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; FETHERSTONHAUGH AND CO; BIP PATENTS; CARPINTERO MARIO; CHINA PATENT AGENT HK LTD; REINHOLD COHN AND PARTNERS; TOLGA CAYLAK; BAYER HEALTHCARE LLC

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

3) Family number: 20649387 (US6630569B)

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Title: Ectoparasiticide agents

Abstract: The present invention relates to the ectoparasiticial use of cyclic depsipeptides of the formula (I) in which R, R, R, R, X, X, X and X are substituents described herein, which are effective for controlling ectoparasites, and to ectoparasiticial compositions containing the depsipeptides.

Classifications:

International (IPC 8-9): A01N43/72 A01N43/84 A01P7/00 A01P7/02

A01P7/04 (Advanced/Invention);

A01N43/72 (Advanced/Non-invention);

A01N43/72 A01P7/00 A01P7/02

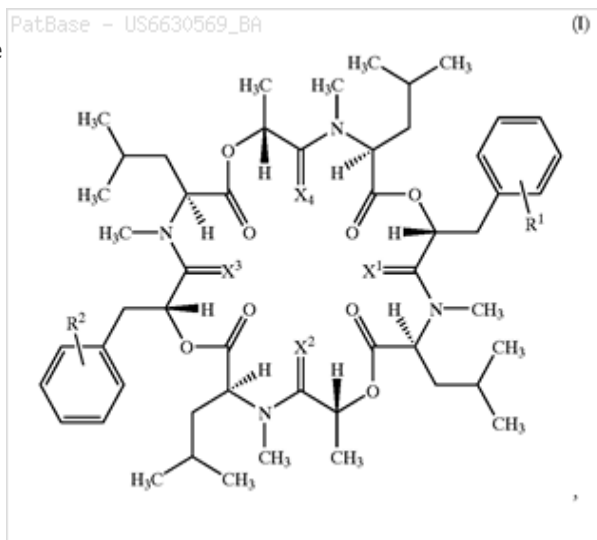
A01P7/04 (Core/Invention)

International (IPC 1-7): A01N37/44 A01N43/72 A01N43/84 A61K31/195 A61K38/15 C07D273/00 C07K11/02 C07K7/50

CPC: A01N43/72 A01N43/84 A01N43/8 A01N43/7

European: A01N43/72 A01N43/84

US: 514/11 514/16 530/317 530/328

**Family:**

Publication number	Publication date	Application number	Application date
AT229269 E	20021215	AT19990929178T	19990611
AU199946078 A1	20000110	AU19990046078	19990611
AU199946078 A5	20000110	AU19990046078	19990611
AU209946078 A1	20000110	AU19990046078	19990611
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CN1306394 A	20010801	CN19998007711	19990611
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DE59903759 D1	20030123	DE19995003759	19990611
DK1089625 T3	20030324	DK19990929178T	19990611
EP1089625 A1	20010411	EP19990929178	19990611
EP1089625 B1	20021211	EP19990929178	19990611
ES2186371 T3	20030501	ES19990929178T	19990611
HU0102808 AB	20011128	HU20010002808	19990611
HU0102808 AC	20021228	HU20010002808	19990611
JP2002518415 T2	20020625	JP20000555494T	19990611
JP4404484 B2	20100127	JP20000555494T	19990611
KR20010043938 A	20010525	KR20007013506	19990611
NZ509105 A	20021220	NZ19990509105	19990611
PT1089625 T	20030430	PT19990929178T	19990611
US6630569 BA	20031007	US20000719626	20001214
WO9966794 A1	19991229	WO1999EP04029	19990611

Priority:

DE19981028043 19980624

DE19995003759 19990611

WO1999EP04029 19990611

Probable Assignee: BAYER AG

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Inventor(s): (std): TURBERG ANDREAS ; TURBERG A ; MENCKE NORBERT ; MENCKE N ; JESCHKE PETER ; JESCHKE P ; HANSEN OLAF

Inventor(s): ANDREAS TURBERG ; A TURBERG ; PETER JESCHKE ; P JESCHKE ; OLAF HANSEN ; NORBERT MENCKE ; N MENCKE

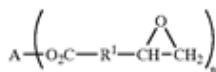
Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; FETHERSTONHAUGH AND CO

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

Title: NETWORK POLYMERS COMPRISING EPOXY-TERMINATED ESTERS

Abstract: The present invention provides network polymers obtained by curing compositions that comprise an ester with at least two terminal epoxy groups. Preferred esters include those represented by the formula (1), wherein each R<1>independently represents a substituted or unsubstituted homoaliphatic or hctcroaliphatic group; A represents a substituted or unsubstituted homoalkylene, hetemalkylene, arylene, or hetematylene segment; and n represents an integer equal to or greater than 2.

PatBase - US2004180981_AA



(I)

Classifications:

International (IPC 8-9): A01N43/72 A01N63/04 A61K31/395 A61K38/00 A61K38/12 A61K51/00 A61P33/00 A61P33/10 A61P43/00 B05D7/24 B32B27/38 C07D273/00 C07K11/02 C07K7/52 C08G59/20 C08G59/34 C08G59/50 C08G59/56 C08G63/00 C08J5/06 C08J5/24 C08L63/00 C08L63/02 C08L63/08 C09D127/06 C09D127/08 C09D163/00 C09D163/02 C09D175/04 C09D7/12 C09J127/06 C09J127/08 C09J163/00 C09J163/02 C09J175/04 C12N1/14 C12N1/16 C12P17/00 C12P17/14 C12P21/02 C12P21/06 (Advanced/Invention); C08G59/20 C08L27/00 C12R1/645 (Advanced/Non-invention); A01N43/72 A01N63/04 A61K31/00 A61K31/395 A61K38/00 A61K38/12 A61K51/00 A61P33/00 A61P43/00 C07D273/00 C07K11/00 C07K7/00 C08G59/00 C12N1/16 C12P17/00 C12P17/14 C12P21/02 C12P21/06 (Core/Invention)

International (IPC 1-7): A61K31/395 A61P33/00 A61P43/00 B05D7/24 C07D273/00 C08G59/20 C08G59/34 C08G63/00 C08J3/28 C08J5/24 C09D127/06 C09D127/08 C09D163/00 C09D163/02 C09D175/04 C09D7/12 C09J127/06 C09J127/08 C09J163/00 C09J163/02 C09J175/04 C12N1/14 C12P17/14

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European: A01N43/72 A01N63/04 C07K11/02 C08G59/38 C08G59/50B C08G59/56 C08L63/00 C12P17/00 C12P17/14 C12P21/02 C12R1/645 M08L27/00

US: 424/1.69 428/457 428/458 435/254.1 435/254.100S 435/69.1 435/69.100S 514/1.1 514/2 514/21.1 514/21.100S 514/4.5 514/4.500P 514/4.6 514/4.600S 514/9 522/100 522/100S 522/102 522/102S 522/31 522/31P 522/71 522/71S 525/423 525/523 525/524 525/528 525/532 525/533 530/317 530/317S

Family:

Publication number	Publication date	Application number	Application date
AT290562 E	20050315	AT20020731368T	20020411
AT419373 E	20090115	AT20020780072T	20021112
AU2002344494 AA	20040603	AU20020344494	20021112
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CA2504309 AA	20050428	CA20022504309	20021112
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JP4176077 B2	20081105	JP20040551171T	20021112
KR100854544 B1	20080826	KR20047003709	20020411
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MXPA05005032 A1	20080205	MX2005PA05032	20021112
NO20052150 A	20050610	NO20050002150	20050502
NZ539986 A	20070330	NZ20020539986	20021112
US2004180981 AA	20040916	US20040489465	20040311
US2006111280 AA	20060525	US20020532662	20021112
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WO03022904 A1	20030320	WO2002US11777	20020411
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Priority:

US20010318915P 20010912 JP20030526975 20020411 US20020489465 20020411
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 WO2002US11777 20040312

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Assignee(s): TILE KITASATO INST

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Inventor(s): MARVIN L DETTLOFF ; LEONARDO C LOPEZ ; JIMMY D EARLS ; JERRY E WHITE

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; SMART AND BIGGAR; GOWLING LAFLEUR HENDERSON LLP; DUCKWORTH TIMOTHY JOHN; AOKI ATSUSHI; KOGA TETSUJI; NISHIYAMA MASAYA; ISHIDA TAKASHI; YOUNG AND THOMPSON

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

Title: CRYSTAL MODIFICATION OF A CYCLIC DEPSIPEPTIDE HAVING IMPROVED STRENGTH

Abstract: The invention relates to the use of crystal form (I) of the cyclic depsipeptide of the formula (I) for preparing medicaments, in particular for controlling endoparasites.

Classifications:

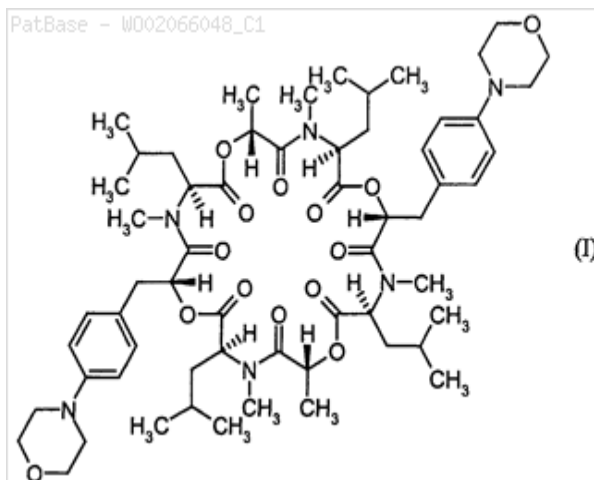
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C07D273/08 C07K11/00
C07K11/02 (Advanced/Invention);
C07K11/02 (Advanced/Non-invention);
A61K31/00 A61K31/5375 A61K38/00 A61K38/15
A61P33/00 C07D273/00
C07K11/00 (Core/Invention);
A61K (Subclass/Invention)

International (IPC 1-7): A61K A61K31/395
A61K31/5377 A61K38/15 A61P33/00 A61P33/10
B32B19/00 B32B9/00 C07D273/08 C07K
C07K11/00 C07K11/02

CPC: A61K38/15

European: A61K38/15

US: 428/698

**Family:**

Publication number	Publication date	Application number	Application date
AT284703 E	20050115	AT20020716073T	20020121
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DE10104362 A1	20020808	DE20011004362	20010201
DE50201777 D1	20050120	DE20025001777	20020121
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EP1357932 B1	20041215	EP20020716073	20020121
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HK1075013 B	20070518	HK20050107422	20050824
HR20030635 A2	20051031	HR20030000635	20030811
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HU0302880 AC	20050530	HU20030002880	20020121
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IL157026 A1	20101130	IL20020157026	20020121
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NZ527230 A	20050429	NZ20020527230	20020121
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PL362389 A1	20041102	PL20020362389	20020121
PT1357932 T	20050429	PT20020716073T	20020121
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SI1357932 T1	20050831	SI20020030082T	20020121
SK200300988 A5	20031202	SK20030000988	20020121
SK286280 B6	20080606	SK20030000988	20020121
UA74623 C2	20031015	UA20030808108	20020121
US2004115483 AA	20040617	US20040470853	20040115
WO02066048 A1	20020829	WO2002EP00541	20020121
WO02066048 C1	20031120	WO2002EP00541	20020121
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Priority:

DE20011004362 20010201 DE20025001777 20020121 EP20020716073 20020121
WO2002EP00541 20020121

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BAYER IP GMBH

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GMBH

Inventor(s): (std): GEORG VON SAMSON HIMMELSTJERNA ; JOCHEN KALBE ; MICHAEL TRAEUBEL ;
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; HARDER ACHIM ; TREHUBEL MIKHAEL ; KHARDER AKHIM ; KAL BE JOKHEN ;
VON KALBE JOCHEN TRAEUBEL MICH ; VON SAMSON HIMELSTJERNA GEORG ;
VON SAMSON HIMMELSTJERNA GEORG ; ACHIM HARDER ; FON ZAMZON
KHIMMEL SHTJERNA GE ; SAMSON HIMMELSTJERNA GEORG VON

Inventor(s): FON ZAMZON-KHIMMEL'SHTJERNA GEORG ; VON SAMSON HIMMELSTJERNA
GEORGE ; FON ZAMZON KHIMMEL SHTJERNA GEORG ; TREHUBEL' MIKHAEL ;
KALBE JOCHEN TRAEUBEL MICHAEL HARDER ACHIM ; KALBE JOCHEN TRAEUBEL
MICHAEL HARDER ACHIM SAMSON ; KAL'BE JOKHEN

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD;
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CENTRE 23 HARBOUR ROAD; CHINA PATENT AGENT HK LTD; REINHOLD COHN
AND PARTNERS

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

Title: ENDOPARASITICIDAL COMPOSITIONS FOR TOPICAL APPLICATION

Abstract: The present invention relates to transdermally applicable compositions comprising cyclic depsipeptides and/or praziquantel, and to their preparation and their use for controlling endoparasites.

Classifications:

International (IPC 8-9): A61K A61K31/045

A61K31/19 A61K31/395 A61K31/495
A61K31/4985 A61K31/517 A61K38/00
A61K38/12 A61K38/15 A61K47/06 A61K47/10
A61K47/12 A61K47/22 A61K9/00 A61P
A61P31/00 A61P33/00 C07K11/00
C07K11/02 (Advanced/Invention);
A61K31/495 A61K38/15

A61P33/00 (Advanced/Non-invention);

A61K31/00 A61K31/395 A61K31/495

A61K31/4985 A61K31/517 A61K38/00

A61K38/12 A61K38/15 A61K47/06 A61K47/10

A61K47/12 A61K47/22 A61K9/00

A61P33/00 (Core/Invention);

A61K A61P (Subclass/Invention)

International (IPC 1-7): A01N33/18 A01N43/60

A61K31/00 A61K31/495 A61K31/498 A61K38/15

A61K47/06 A61K9/00 A61K9/06 A61P31/00

A61P33/00 C07D273/00 C07K11/00 C07K11/02

CPC: A61K9/0017 A61K31/495 A61K38/15

European: A61K31/495 A61K38/15 A61K9/00M2
A61K9/00M3B

US: 514/21.1 514/21.100S 514/266.22

514/266.220S 514/4.6 514/4.600P 514/9

PatBase - RU2006124964_A

РОССИЙСКАЯ ФЕДЕРАЦИЯ (19) **RU** (11) **2006 124 964** (13) **A**
(81) **МПК**
A61K 9/00 (2006.01)

ФЕДЕРАЛЬНАЯ СЛУЖБА
ПО ИНТЕЛЛЕКТУАЛЬНОЙ СОБСТВЕННОСТИ,
ПАТЕНТАМ И ТОВАРНЫМ ЗНАКАМ

(12) **ЗАЯВКА НА ИЗОБРЕТЕНИЕ**

(21) (22) Заявка: 2006124964/15, 30.11.2004 (71) Заявитель(и):
(30) Конвенционный приоритет: 13.12.2003 DE 10358525.7 (81) **КАРЕР ХЕЛЬСКЕР АГ** (DE)
(43) Дата публикации заявки: 20.01.2008 Бюл. № 2 (72) Автор(ы):
(86) Дата перевода заявки РСТ на национальную фазу: 13.07.2006 (87) Публикация РСТ: W/O 2005/059873 (23.06.2005)
Адрес для переписки: 105064, Москва, ул. Кавказка, 16, 1499Р
Кандидаты "Патентные поверенные Казанцев, Савельевых и партнеры", тел.ков. В.П.Казанцеву

(54) **ЭНДОПАРАЗИТИЧЕСКОЕ СРЕДСТВО ДЛЯ МЕСТНОГО ПРИМЕНЕНИЯ**

(57) **Формула изобретения**

1. Эндопаразитическое средство, содержащее в качестве действующего вещества циклический депептид и/или празиквантел, периллиновый растворитель, терпеновый усилитель проникновения, действующую подобно усилителю проникновения алифатическую жирную кислоту и/или действующую подобно усилителю проникновения алифатический жирный спирт.
2. Эндопаразитическое средство по п.1, содержащее в качестве терпенового усилителя проникновения терпеновый углеводород.
3. Эндопаразитическое средство по п.2, содержащее в качестве терпенового усилителя проникновения лимонен.
4. Эндопаразитическое средство по п.1, в котором действующую подобно усилителю проникновения алифатическую жирную кислоту является линолевая кислота или олеиновая кислота.
5. Эндопаразитическое средство по п.4, в котором действующую подобно усилителю проникновения алифатическую жирную кислоту является олеиновая кислота.
6. Средство по п.1, содержащее терпеновый усилитель проникновения и действующую подобно усилителю проникновения алифатическую жирную кислоту.
7. Эндопаразитическое средство по п.6, в котором терпеновым усилителем проникновения является лимонен, а действующую подобно усилителю проникновения алифатическую жирную кислоту - линолевая кислота или олеиновая кислота.
8. Эндопаразитическое средство по п.7, в котором действующую подобно усилителю

Страница: 1

Family:

Publication number	Publication date	Application number	Application date
AR046878 AA	20051228	AR2004P104591	20041209
AT447940 E	20091115	AT20040798121T	20041130
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CN1893919 B	20100929	CN200480037183	20041130
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DE10358525 A1	20050707	DE20031058525	20031213
DE502004010367 D1	20091224	DE200450010367T	20041130
DK1694291 T3	20100315	DK20040798121T	20041130
EP1694291 A2	20060830	EP20040798121	20041130
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ES2334920 T3	20100317	ES20040798121T	20041130

GT200400264 A	20050818	GT20040000264	20041210
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HR20100056 T1	20100331	HR20100000056	20100129
IL176151 A0	20061005	IL20060176151	20060606
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JP2007513903 T2	20070531	JP20060543431T	20041130
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MY142044 A	20100830	MY20040005106	20041210
NO20063171 A	20060707	NO20060003171	20060707
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TW200533384 A	20051016	TW20040138222	20041210
TWI341202 B	20110501	TW20040138222	20041210
UA85574 C2	20090210	UA20060007858	20041130
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UY28662 A1	20050729	UY20040028662	20041209
WO05055973 A2	20050623	WO2004EP13552	20041130
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Priority:

DE20031058525 20031213 EP20040798121 20041130 WO2004EP13552 20041130
US20060451676 20060613

Probable Assignee: BAYER AG

Assignee(s): (std): BAYER ANIMAL HEALTH GMBH ; BAYER HEALTHCARE AG ; KANIKANTI VENKATA RANGARAO ; TRAEUBEL MICHAEL ; HAMANN HANS JUERGEN ; TRAEUBEL MICHAEL ; HAMANN HANS JURGEN ; ALTREUTHER GERTRAUT ; BACH THOMAS ; BAJER EHNIMEHL KHEL S GMBKH ; BAYER IP GMBH ; BAYER PHARMA AG

Assignee(s): BAYER AG ; BAYER INTELLECTUAL PROPERTY GMBH

Inventor(s): (std): AL TROJTER GERTRAUT ; BAKH TOMAS ; KANIKANTI VENKATA VANGARAO ; KHAMANN KHANS JURGEN ; TROJBEL MIKHAHEL ; TRAEUBEL DR MICHAEL ; THOMAS BACH ; MICHAEL TROUBEL ; MICHAEL TRAEUBEL ; KANIKANTI DR VENKATA RANGARAO ; HANS JURGEN HAMANN ; HAMNN DR HANS JURGEN ; GERTRAUT ALTREUTHER ; VENKATA RANGARAO KANIKANTI ; TROUBEL MICHAEL ; BACH DR THOMAS ; TRAEUBEL MICHAEL DR ; TRAEUBEL MICHAEL ; RANGARAO KANIKANTI VENKATA ; MICHAEL TRAEUBEL ; ALTREUTHER DR GERTRAUT ; TRAEUBEL MICHAEL ; KANIKANTI VENKATA RANGARAO DR ; KANIKANTI VENKATA RANGARAO ; JUERGEN KANIKANTI VENKATA RANG ; JUERGEN HAMANN HANS ; HAMANN HANS JURGEN ; HAMANN HANS JUERGEN DR ; HAMANN HANS JUERGEN ; BACH THOMAS DR ; BACH THOMAS ; ALTREUTHER GERTRAUT DR ; ALTREUTHER GERTRAUT

Inventor(s): DR MICHAEL TRAEUBEL ; DR HANS JUERGEN HAMANN ; HAMANN, HANS-JUERGEN ; KANIKANTI VENKATA RANGARAO BACH THOMAS ALTREUTHERG ; KANIKANTI, VENKATA-RANGARAO ; AL'TROJTER GERTRAUT ; TROJBEL' MIKHAHEL' ; DR VENKATA RANGARAO KANIKANTI ; DR THOMAS BACH ; DR MICHAEL TRAEUBEL ; DR HANS JURGEN HAMNN ; DR GERTRAUT ALTREUTHER ; HANS JUERGEN HAMANN ; KHAMANN KHANS-JURGEN ; KANIKANTI VENKATA-

VANGARAO ; VENKATA RANGARAO KANIKANTI GERTRAUT ALTREUTHER HANS
JUERGEN HAMANN THOMAS BACH MICHAEL TRAEUBEL ; KANIKANTI VENKATA
RANGARAO BACH THOMAS

Agent(s):

DAVIES COLLISON CAVE PTY LTD; DAVIES COLLISON CAVE;
FETHERSTONHAUGH AND CO; ALESSANDRI; CHINA PATENT AGENT HK LTD;
REINHOLD COHN AND PARTNERS; MORIZUMI KEN ICHI; AOYAMA TAMOTSU;
TANAKA MITSUO; YAMADA TAKUJI; IWASAKI MITSUTAKA; RICHARD S BULLITT
BAYER HEALTHCARE LLC

Designated states:

AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN
CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ
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RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC
VN YU ZA ZM ZW

Title: N-METHYL BENZAMIDE DERIVATIVES

Abstract: Novel isoxazolines of the formula (I) wherein A represents C or N; R represents haloalkyl; X represents halogen or haloalkyl; l represents 0, 1 or 2; Y represents halogen, alkyl, alkoxy, haloalkyl, cyano, nitro, amino, acylamino, alkoxycarbonylamino, haloalkoxycarbonyl-amino or alkylsulfonylamino; m represents 0, 1 or 2; and G represents any one selected from heterocyclic groups described in the specification; and intermediates, and a use thereof as insecticides and/or for controlling animal parasites.

Classifications:

International (IPC 8-9): A01N43/36 A01N43/40 A01N43/50 A01N43/56 A01N43/647 A01N43/653 A01N43/713 A01N43/80 A01N47/20 A01P7/00 A01P7/02 A01P7/04 A61K31/42 A61K31/422 A61P33/00 A61P33/14 C07D207/30 C07D207/325 C07D221/02 C07D231/10 C07D231/14 C07D231/16 C07D233/54 C07D249/06 C07D249/08 C07D257/04 C07D261/04 C07D261/08 C07D401/04 C07D413/04 C07D413/10 C07D413/12 C07D413/14 C07D417/14 (Advanced/Invention); A01P7/00 (Advanced/Non-invention); A01N43/72 A01P7/00 A01P7/02 A01P7/04 A61K31/42 A61K31/422 A61P33/00 C07D231/00 C07D261/00 C07D413/00 C07D417/00 (Core/Invention); A01N C07D (Subclass/Invention)

International (IPC 1-7): A01N A01N43/72 C07D411/10 C07D411/14 C07D413/10

CPC: C07D413/10 A01N43/80 C07D413/14

European: A01N43/80 C07D413/10 C07D413/14

US: 514/340 514/378 514/378S 546/272.1 546/272.100S 548/240 548/240S 548/371.4 548/371.400S

**Family:**

Publication number	Publication date	Application number	Application date
AR062358 AA	20081105	AR2007P103584	20070813
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ES2448015 T3	20140313	ES20100197328T	20070801
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IN01037DN2009 A	20100528	IN2009DN01037	20090212
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RU2452736 C2	20120610	RU20090109160	20070801
SV2009003170 A	20100119	SV20090003170	20090212
TH96103 A	20090618	TH20071003779	20070727
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UA98116 C2	20120425	UA20090002224	20070801
US2010249191 AA	20100930	US20070377593	20070801
US2011086886 AB	20110414	US20070377593	20070801
UY30540 A1	20080331	UY20070030540	20070814
WO08019760 A1	20080221	WO2007EP06798	20070801
ZA200901033 A	20100428	ZA20090001033	20090213

Priority:

JP20060221370	20060815	JP22130702006	20060815	EP20070786486	20070801
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WO2007EP06798	20070801	JP20130268540	20131226		

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Inventor(s): U GE JERNS ; BAYER CROPSCIENCE AG ; YONETA YASUSHII ; TETSUA MURATA ; JUN MIHARA DAIEI YAMAZAKI KATSUHIKO SHIBUYA TETSUYA MURATA YASUSHI YONETA EIICHI SHIMOJO ; GERGENS UL'RIKH ; JUN MIHARA DAIEI YAMAZAKI KATSUHIKO SHIBUYA... ; SHIBUYA KATSUHIKO AND ; ULRICH GORGENS

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; FETHERSTONHAUGH AND CO; ALESSANDRI; CARPINTERO MARIO; OSAKI KATSUMASA; TSUBOKURA MICHIAKI; KANAYAMA MASATAKA; KAWAGUCHI YOSHIO; ONO MAKOTO; KAWAGUTI AND PARTNERS; BAKER DONELSON BEARMAN CALDWELL AND BERKOWITZ PC; BAYER CROPSCIENCE AG

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC

LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA
NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN
SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: ISOXAZOLINE COMPOSITIONS AND THEIR USE AS ANTIPARASITICS

Abstract: This invention relates to methods for controlling parasitic infestations of animals and their environments, and, more particularly, to methods using isoxazoline to control parasites in or on animals or in their environments, as well as treat parasitoses of animals. The isoxazoline includes 4-(isoxazoliny)-benzamides (specifically, substituted 4-(5-(halomethyl)-5-phenylisoxazolin-3-yl)-benzamides) and 4-(isoxazoliny)-benzothioamides (specifically, substituted 4-(5-(halomethyl)-5-phenylisoxazolin-3-yl)-benzothioamides). This invention also relates to compositions comprising the isoxazoline for use in such methods, the use of the isoxazoline to make medicaments for use in such methods, and kits comprising the isoxazoline for carrying out such methods. This invention further relates to the use of the isoxazoline as medicaments, particularly medicaments that can be used in the above-referenced method.

Classifications:**International (IPC 8-9):** A01N A01N43/80

A01N47/12 A01N47/18 A01N47/42 A01N53/00

A01N53/12 A01P A01P7/00 A61K A61K31/00

A61K31/42 A61K31/422 A61K31/427

A61K31/4439 A61K31/4965 A61K31/497

A61K31/506 A61P17/00 A61P33/00 A61P33/14

A61P7/06 C07D261/04 C07D261/08 C07D403/12

C07D413/12 C07D417/12 F02M55/02 F02M61/14 F02M61/16 F02M63/00 F02M69/46

F16B5/02 (Advanced/Invention);

A01N43/80 A01N47/42 A01P7/00 A61K31/42 C07D413/12 C07D417/12 F02M63/00 (Advanced/Non-invention);

A01N43/72 A01N43/80 A01N47/10 A01N47/12 A01N47/40 A01N53/00 A01P7/00 A61K31/42

A61P7/00 (Core/Invention);

A01N A01P A61K (Subclass/Invention)

CPC: C07D261/04 C07D417/12 C07D413/12 A61K31/4439 A61K2121/00 A01N47/42 F16B5/025

F16B5/0241 F02M2200/857 F02M2200/803 F02M69/465 F02M61/168 F02M61/167 F02M61/14

F02M55/025 Y02A50/401 Y02A50/402 A01N43/80 A61K31/42 A01N47/12 A01N47/18 A01N53/00

European: A01N43/80 A01N47/12 A01N47/18 A01N53/00 F02M55/02B F02M61/14 F02M61/16G

F02M61/16H F02M69/46B2 F16B5/02C F16B5/02D R02M200/80D R02M200/85H

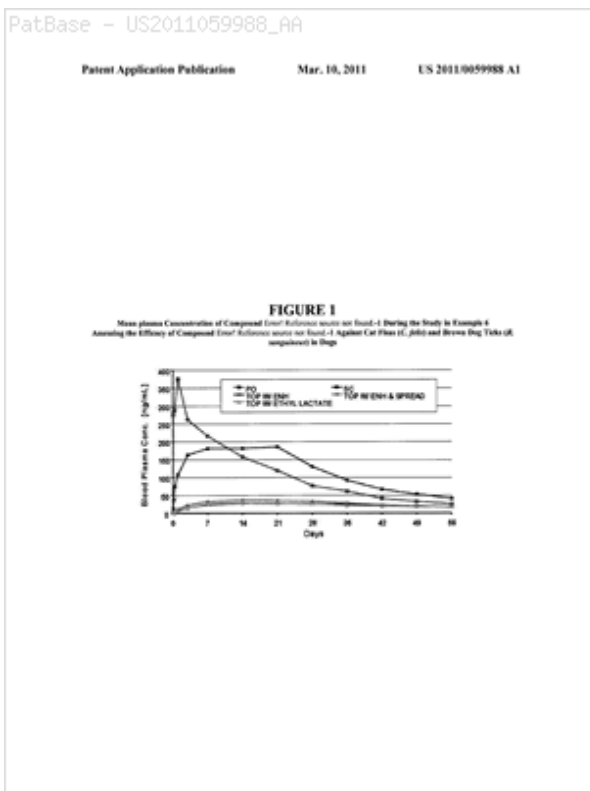
US: 514/255.05 514/255.050P 514/275 514/275S 514/340 514/340S 514/365 514/365S 514/378

514/378S 544/331 544/331S 544/405 544/405S 546/272.1 546/272.100S 548/204 548/204S

548/240 548/240S

Family:

Publication number	Publication date	Application number	Application date
AT537353 E	20111215	AT20070150300T	20071221
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AU2008290581 BB	20130725	AU20080290581	20080815
AU2013207639 AA	20130808	AU20130207639	20130719
AU2013207639 BB	20160512	AU20130207639	20130719
AU2016202496 AA	20160512	AU20160202496	20160420
AU2018203263 AA	20180531	AU20180203263	20180510
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CN101778566 A	20100714	CN200880103027	20080815
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EP2072806 A1	20090624	EP20070150300	20071221
EP2072806 B1	20111214	EP20070150300	20071221
EP2072806 B9	20120905	EP20070150300	20071221
EP2190289 A2	20100602	EP20080803041	20080815
EP2190289 B1	20130501	EP20080803041	20080815
EP2305996 A1	20110406	EP20110151548	20071221
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EP2545777 A1	20130116	EP20120188400	20080815
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HK1143037 A1	20131011	HK20100109524	20101006
HK1143037 A1	20101224	HK20100109524	20101006
HK1143037 B	20131011	HK20100109524	20101006
HU1600038 I1	20161028	HU20160000038	20160923
JP2010536733 A2	20101202	JP20100520592	20080815
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JP2016147888 A2	20160818	JP20160052782	20160316
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RU2013107094 A	20140827	RU20130107094	20130218
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RU2481837 C2	20130520	RU20100109901	20080815
RU2602308 C2	20161120	RU20130107094	20130218
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TWI556741 B	20161111	TW20080129550	20080804
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US2015111936 AA	20150423	US20140579387	20141222
US2016332975 AA	20161117	US20160222171	20160728
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WO09024541 A2	20090226	WO2008EP60732	20080815
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ZA201203080 A	20121227	ZA20120003080	20120426

Priority:

EP20070016152 20070817

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EP20070150300 20071221	EP20070150309 20071221	EP20110151548 20071221
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US20160222171 20160728	JP20170141729 20170721	US20180880770 20180126
AU20180203263 20180510		

Probable Assignee: INTERVET INC

Assignee(s): (std): CATERPILLAR MOTOREN GMBH AND CO ; CATERPILLAR MOTOREN GMBH AND CO KG ; HECKEROTH ANJA REGINA ; INTERVET INC ; INTERVET INT BV ; LUTZ JUERGEN ; ZOLLER HARTMUT ; WILLIAMS HEIKE ; MERTENS CHRISTINA ; MITA TAKESHI ; INTERVET INTERNEHSHNL BV ; MERCK SHARP AND DOHME LTD ; MERCK SHARP AND DOHME ; INTERVET INTERNESHNL BV

Assignee(s): INTERVET INTERNATIONAL B.V. ; INTERVET INT BVWIM DE KORVERSTRAAT 35NL-5831 ANBOXMEERNL ; INTERVET INTERNATIONAL B V

Inventor(s): (std): HARTMUT ZOLLER ; REGINA HECKEROTH ANJA ; CHRISTINA MERTENS ; JUERGEN LUTZ ; HEIKE WILLIAMS ; LUTZ JURGEN ; ANJA REGINA HECKEROTH ; MITA TAKESHI ; MERTENS CHRISTINA ; WILLIAMS HEIKE ; ZOLLER HARTMUT ; HECKEROTH ANJA REGINA ; LUTZ JUERGEN ; ABRAHAM VOLKER ; HOPMANN ULRICH ; ULRICH HOPMANN ; VOLKER ABRAHAM ; LUTTS JURGEN ; MERTENS KRISTINA ; MITA TAKESI ; ZOLLER HARTMUND ; HECKENROTH ANJA REGINA ; TAKESHI MITA ; LUTZ J RGEN ; VILL JAMS KHAIKE ; VILLJAMS KHAIKE ; TSOLLER KHARTMUT ; KHEKKEROT ANJA REGINA ; ZOLLER HARMUT

Inventor(s): VILL'JAMS KHAIKE ; J RGEN LUTZ ; MITA TAKESHIJP ; ZOLLER HARTMUTDE ; LUTZ JUERGEDE ; MERTENS CHRISTINANL ; WILLIAMS HEIKEDE ; HECKEROTH ANJA REGINADE ; JURGEN LUTZ ; ZOLLER HARMUT AND ; ABRAHAM VOLKER 24159

Agent(s): SPRUSON AND FERGUSON; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; KRAMER BARSKE SCHMIDTCHEN PATENTANWAELTE PARTG MBB; BRP RENAUD U PARTNER MBB RECHTSANWAELTE PATENTANWAELTE STEUERBERATER; HATZMANN MARTIN; PREUSS UDO; STUMM KARIN; KRAMER BARSKE SCHMIDTCHEN; BRP RENAUD AND PARTNER MBB RECHTSANWAELTE PATENTANWAELTE STEUERBERATER; UNGRIA JAVIER; NTD PATENT AND TRADE MARK AGENCY LTD; OSAKI KATSUMASA; TSUBOKURA MICHIAKI; SHIGEMORI KAZUKI; KANAYAMA MASATAKA; ONO MAKOTO; STUMM K ET AL

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

9) Family number: 44166891 (US2011201550A)

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Title: COMBINATION OF AMIDINE DERIVATIVES WITH CYCLIC DEPSIPEPTIDES

Abstract: The present invention relates to the combination of aminophenylamidine derivatives with cyclic depsipeptides, to products comprising this combination, and to the use of these active substances in combination for controlling endoparasites in humans and in animals.

Classifications:

International (IPC 8-9): A01N43/72 A61K A61K31/136 A61K31/155 A61K31/164 A61K38/00 A61K38/15 A61K9/00 A61P A61P33/00 A61P33/10 A61P43/00 C07C229/08 C07C233/61 C07C257/10 C07D265/30 C07D273/00 C07D413/12 C07K11/02 (Advanced/Invention);

A61P33/00 (Advanced/Non-invention);

A61K31/155 A61K38/15 A61P33/00 C07K11/00 (Core/Invention);

A61K38/15 (Core/Non-invention);

A61K A61P (Subclass/Invention)

International (IPC 1-7): A61K31/155 A61K38/15 A61P33/00 A61P33/10 C07K11/02

CPC: A61K31/155 A61K38/15

European: A61K31/155 A61K38/15

US: 514/4.6 514/4.600P

Family:

Publication number	Publication date	Application number	Application date
AR073180 AA	20101020	AR2009P102325	20090624
AU2009262581 AA	20091230	AU20090262581	20090616
BRPI0913996 A2	20151020	BR2009PI13996	20090616
CA2729420 AA	20091230	CA20092729420	20090616
DE102008030764 A1	20091231	DE200810030764	20080628
EP2299995 A1	20110330	EP20090768920	20090616
JP2011526262 T2	20111006	JP20110515161T	20090616
MX2010014442 A1	20110121	MX20100014442	20090616
TW201012471 A	20100401	TW20090121497	20090626
US2011201550 AA	20110818	US20090000510	20090616
UY31921 A1	20100129	UY20090031921	20090618
WO09156071 A1	20091230	WO2009EP04304	20090616
WO09156071 A8	20101229	WO2009EP04304	20090616
ZA201009064 A	20120229	ZA20100009064	20101217

Priority:

DE200810030764 20080628 WO2009EP04304 20090616

Probable Assignee: BAYER AG

Assignee(s): (std): BACH THOMAS ; BAYER ANIMAL HEALTH GMBH ; HARDER ACHIM ; NERGER DITTMAR ; KANIKANTI VENKATA RANGARAO ; KUJANEK RICHARD ; BAYER IP GMBH

Assignee(s): BAYER INTELLECTUAL PROPERTY GMBH ; BAYER ANIMAL HEALTH GMBHDE ; BAYER AG

Inventor(s): (std): NERGER DR DITTMAR ; KANIKANTI DR VENKATA RANGARAO ; HARDER ACHIM DR ; BACH DR THOMAS ; NERGER DITTMAR ; KUJANEK RICHARD ; KUJANEK DR RICHARD ; KANIKANTI VENKATA RANGARAO ; HARDER ACHIM ; BACH THOMAS

Inventor(s): DR VENKATA RANGARAO KANIKANTI ; DR THOMAS BACH ; DR RICHARD KUJANEK ; DR DITTMAR NERGER ; DR ACHIM HARDER ; ACHIM HARDER ; DITTMAR NERGER ; KANIKANTI VENKATA ; KANIKANTI VENKATA RANGARAO ; KANIKANTI, VENKATA-RANGARAO ; RANGARAO KUJANEK ; RICHARD KUJANEK ; THOMAS BACH ; VENKATA RANGARAO KANIKANTI

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; FETHERSTONHAUGH AND CO; AOYAMA TAMOTSU; MATSUTANI MICHIKO; YAMADA TAKUJI; IWASAKI MITSUTAKA; BAYER ANIMAL HEALTH GMBH

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE

GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ
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SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

10) Family number: 44207957 (US2011118176A)

© PatBase

Title: NOVEL POSSIBILITY OF CONTROLLING DISEASES CAUSED BY TRICHOMONADIDA

Abstract: The present invention relates to the use of nifurtimox for the treatment of diseases caused by trichomonads, such as, for example, histomoniasis, in particular in turkeys.

Classifications:

International (IPC 8-9): A61K A61K31/345 A61K31/54 A61K31/541 A61K38/00 A61K38/12 A61K38/15 A61P A61P33/00 A61P33/02 A61P33/10 C07D417/12 (Advanced/Invention); A61K31/541 A61K38/15 A61P33/00 A61P33/02 C07D417/12 (Advanced/Non-invention); A61K31/541 A61K38/15 A61P33/00 A61P33/02 (Core/Invention); A61K A61P (Subclass/Invention)

International (IPC 1-7): A01N43/72 A01N43/84 A01P15/00 A61K31/395 A61K31/541 A61P33/02 A61P33/10

CPC: A61K31/541 A61K38/15

European: A61K31/541 A61K38/15

US: 514/21.1 514/222.2 514/4.6 514/4.600P 514/449

Family:

Publication number	Publication date	Application number	Application date
AR072426 AA	20100825	AR2009P102440	20090630
AU2009266124 AA	20100107	AU20090266124	20090620
AU2009266124 BB	20150319	AU20090266124	20090620
CA2729727 AA	20100107	CA20092729727	20090620
CN102083440 A	20110601	CN200980125506	20090620
CN102083440 B	20130327	CN200980125506	20090620
CO6321268 A2	20110920	CO20100162853	20101227
CR20110023 A	20110510	CR20110000023	20110111
DE102008031283 A1	20100107	DE200810031283	20080702
DE502009007113 D1	20130711	DE200950007113T	20090620
DK2310017 T3	20130701	DK20090772098T	20090620
DOP2010000406 A	20110115	DO20100000406	20101227
ECSP10010721 A	20110131	EC2010SP10721	20101227
EP2310017 A1	20110420	EP20090772098	20090620
EP2310017 B1	20130515	EP20090772098	20090620
ES2415231 T3	20130724	ES20090772098T	20090620
HK1158109 A1	20120713	HK20110112777	20111124
HK1158109 A3	20120713	HK20110112777	20111124
IL209999 A0	20110228	IL20090209999	20090620
JP2011526264 T2	20111006	JP20110515178T	20090620
JP5571659 B2	20140813	JP20110515178T	20090620
KR20110031360 A	20110325	KR20117002465	20090620
MX2010014444 A1	20110222	MX20100014444	20090620
PE03702011 A1	20110622	PE20100001202	20090620
RU2011103476 A	20120810	RU20110103476	20090620
RU2538712 C2	20150110	RU20110103476	20090620
SV2011003784 A	20110520	SV20110003784	20110103
TH135629 A	20140728	TH20091002795	20090622
UA103197 C2	20130925	UA20110001129	20090620
US2011118176 AA	20110519	US20090000871	20090620
US8440613 BB	20130514	US20090000871	20090620
WO10000398 A1	20100107	WO2009EP04474	20090620
ZA201009226 A	20120328	ZA20100009226	20101222

Priority:

DE200810031283 20080702

EP20090772098 20090620

WO2009EP04474 20090620

Probable Assignee: BAYER AG

Assignee(s): (std): BAJER INTELEKTUEHL PROPRTI GMBKH ; BAYER ANIMAL HEALTH GMBH ;
BAYER SCHERING PHARMA AG ; FROYMAN ROBRECHT ; HARDER ACHIM ; GREIF
GISELA ; BAYER IP GMBH

Assignee(s): BAYER SCHERING PHARMA AKTIENGESELLSCHAFT ; BAYER INTELLECTUAL
PROPERTY GMBH ; BAYER AG

Inventor(s): (std): FROJMAN ROBREKHT ; FROYMAN ROBRECHT ; GRAJF GIZELA ; GREIF GISELA ;
HARDER ACHIM ; KHARDER AKHIM ; ROBRECHT FROYMAN ; HARDER AHIM ;
GISELA GREIF ; ACHIM HARDER

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD;
FETHERSTONHAUGH AND CO; JAIME EDUARDO DELGADO VILLEGAS; BIP
PATENTS; CARPINTERO MARIO; CHINA PATENT AGENT HK LTD; BAYER ANIMAL
HEALTH GMBH

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI
CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE
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MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL
SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: Desoxycyclodepsipeptides and their use for combatting endoparasites

Abstract: The invention relates to novel deoxycyclodepsipeptides which are prepared from cyclodepsipeptides having 24 ring members which are constructed from alternating alpha-aminocarboxylic acids and alpha-hydroxycarboxylic acids, by complete or partial chemoselective reduction of the carbonyl groups of the amide function to give methylene groups using suitable reduction processes, and to mixtures and derivatives thereof. The deoxycyclodepsipeptides according to the invention have anthelmintic activity.

Classifications:

International (IPC 8-9): A61K31/34

A61K31/341 A61K31/39 A61K31/395 A61K31/40

A61K31/4025 A61K31/4035 A61K31/49

A61K31/496 A61K31/53 A61K31/5377

A61K31/55 A61P33/00 A61P33/10 C07D273/00

C07D413/10 C07D413/14

G11B7/09 (Advanced/Invention);

A61K31/341 A61K31/395 A61K31/4025

A61K31/496 A61K31/55 A61P33/00 C07D273/00

G11B7/09 (Advanced/Non-invention);

A61K31/34 A61K31/341 A61K31/39 A61K31/395

A61K31/40 A61K31/4025 A61K31/403

A61K31/49 A61K31/496 A61K31/53

A61K31/5375 A61K31/55 A61P33/00

C07D273/00 C07D413/00

G11B7/09 (Core/Invention)

International (IPC 1-7): A61K31/341

A61K31/395 A61K31/4025 A61K31/4035

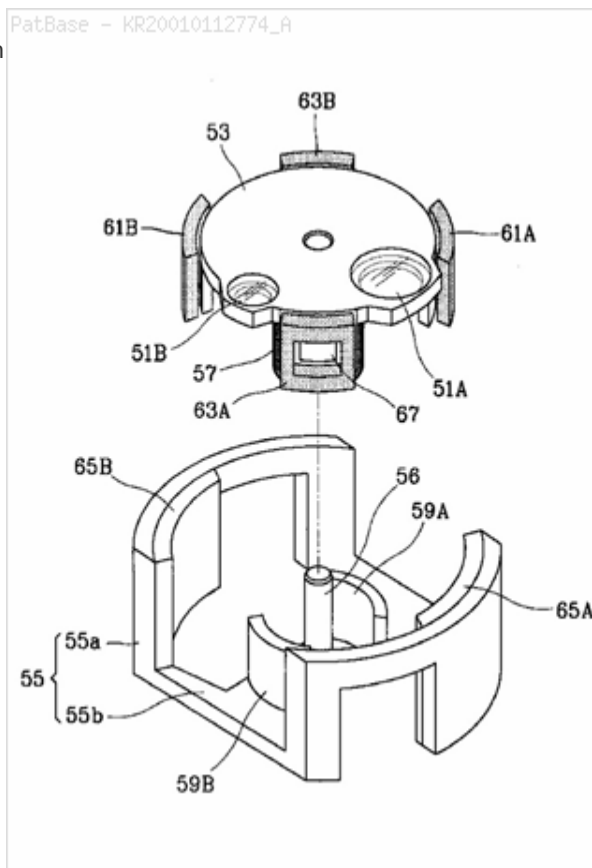
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CPC: C07D273/00 C07D413/10 C07D413/14 G11B7/09

European: C07D273/00 C07D413/10 C07D413/14

US: 514/11 514/2.3 514/21.1 530/323 530/345



Family:

Publication number	Publication date	Application number	Application date
AU199881059 A1	19981221	AU19980081059	19980525
AU735424 B2	20010705	AU19980081059	19980525
BRPI9810412 A	20000822	BR1998PI10412	19980525
CA2292698 AA	19991201	CA19982292698	19980525
CN1076349 C	20011219	CN19988005881	19980525
CN1259129 A	20000705	CN19988005881	19980525
DE19810017 A1	19981210	DE19981010017	19980309
EP0986549 A1	20000322	EP19980930724	19980525
HK1028605 A1	20020802	HK20000108014	20001213
JP2002502398 T2	20020122	JP19990501415T	19980525
KR20010012774 A	20010226	KR19997010736	19980525
KR20010112774 A	20011222	KR20000033000	20000615
NZ501478 A	20010525	NZ19980501478	19980525
US6355615 BA	20020312	US19990424803	19991129
WO9855469 A1	19981210	WO1998EP03059	19980525

Priority:

DE19971023320 19970604
KR20000033000 20000615

DE19981010017 19980309

WO1998EP03059 19980525

Probable Assignee: BAYER AG

Assignee(s): (std): BAYER AKTIENGESELLSCHAFT ; DYKER HUBERT ; HARDER ACHIM ; LG ELECTRONICS INC ; SCHERKENBECK JUERGEN ; MENCKE NORBERT ; VON SAMSON HIMMELSTJERNA GEORG ; BAYER AG

Assignee(s): BAYER AG 51373 LEVERKUSEN DE ; SCHERKENBECK JURGEN

Inventor(s): (std): A HARDER ; ACHIM HARDER ; DR ACHIM HARDER ; GEORG VON SAMSON HIMMELSTJERNA ; H DYKER ; HUBERT DYKER ; J SCHERKENBECK ; JURGEN SCHERKENBECK ; LIM JONG RAK ; NORBERT MENCKE ; SCHERKENBECK JUERGEN DR ; SCHERKENBECK JUERGEN ; SCHERKENBECK J ; SAMSON HIMMELSTJERNA GEORG VON ; MENCKE NORBERT DR ; MENCKE NORBERT ; HARDER ACHIM DR ; HARDER ACHIM ; HARDER A ; VON SAMSON HIMMELSTJERNA GEORG ; SCHERKENBECK JURGEN ; DYKER HUBERT DR ; DYKER HUBERT ; DYKER H

Inventor(s): SCHERKENBECK JUERGEN DR CHEM ; DYKER HUBERT DR CHEM ; SAMSON HIMMELSTJERNA GEORG VON DR ; SAMSON HIMMELSTJERNA GEORG VON DR 30625 HANNOVER D ; SCHERKENBECK JUERGEN DR CHEM 42929 WERMELSKIRCHEN ; MENCKE NORBERT DR 51381 LEVERKUSEN DE ; JUERGEN SCHERKENBECK ; HARDER ACHIM DR 51109 KOELN DE ; DYKER HUBERT DR CHEM 51065 KOELN DE

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD;
FETHERSTONHAUGH AND CO

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

Title: CYCLOOCTADEPSIPEPTIDES AND THEIR USE FOR COMBATING ENDOPARASITES

Abstract: The invention relates to novel cyclooctadepsipeptides of formula (I), wherein R<1> represents cyano, C-C-bonded heterocyclyl or optionally, substituted alkenyl, alkynyl or aryl and R<2> represents hydrogen or the same radical as R<1>. The invention also relates to a method for producing the cyclooctadepsipeptides, to intermediate products for producing them, to their use for combating endoparasites and to agents containing these active agents.

Classifications:**International (IPC 8-9):** A61K31/39

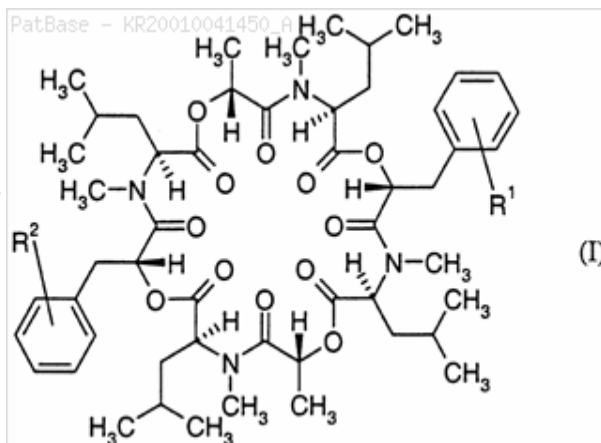
A61K31/395 A61P33/10

C07D273/00 (Advanced/Invention);

A61K31/395 C07D273/00 (Advanced/Non-invention);

A61K31/39 A61K31/395 A61P33/00

C07D273/00 (Core/Invention)

International (IPC 1-7): A61K31/395 A61K38/15 A61P33/10 C07D273/00 C07K11/02**CPC:** C07D273/00**European:** C07D273/00**Family:**

Publication number	Publication date	Application number	Application date
AU199931438 A1	19991011	AU19990031438	19990304
BRPI9908861 A	20001121	BR1999PI08861	19990304
CA2323628 AA	20000914	CA19992323628	19990304
CN1293664 A	20010502	CN1998004115	19990304
DE19811559 A1	19990923	DE19981011559	19980317
EP1064272 A1	20010103	EP19990913226	19990304
JP2002506857 T2	20020305	JP20000536703T	19990304
KR20010041450 A	20010525	KR20007009600	19990304
PL342948 A1	20010716	PL19990342948	19990304
WO9947506 A1	19990923	WO1999EP01407	19990304

Priority:

DE19981011559 19980317

WO1999EP01407 19990304

Probable Assignee: BAYER AG

Assignee(s): (std): DYKER HUBERT ; HARDER ACHIM ; SCHENKEL RALF INGO ; SCHERKENBECK JUERGEN ; MENCKE NORBERT ; VON SAMSON HIMMELSTJERNA GEORG ; BAYER AG

Assignee(s): BAYER AKTIENGESELLSCHAFT ; SCHERKENBECK JURGEN

Inventor(s): (std): VON SAMSON HIMMELSTJERNA GEORG ; SCHERKENBECK JURGEN ; SCHERKENBECK JUERGEN ; SCHERKENBECK J ; SCHENKEL RALF INGO ; SCHENKEL R I ; SAMSON HIMMELSTJERNA VON GEORG ; SAMSON HIMMELSTJERNA GEORG VON ; MENCKE NORBERT ; HARDER ACHIM DR ; HARDER ACHIM ; DYKER HUBERT ; DYKER H ; RALF INGO SCHENKEL ; R I SCHENKEL ; NORBERT MENCKE ; JURGEN SCHERKENBECK ; J SCHERKENBECK ; HUBERT DYKER ; H DYKER ; DR ACHIM HARDER ; GEORG VON SAMSON HIMMELSTJERNA

Inventor(s): ACHIM HARDER ; JUERGEN SCHERKENBECK

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; FETHERSTONHAUGH AND CO

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE

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NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ
VN YU ZW

Title: PEST CONTROL AGENTS/DEPSIPEPTIDES

Abstract: The present invention relates to the use of 24-membered cyclodepsipeptides of the formula (I) in which R¹ and R² are as defined in the description, for controlling animal pests in veterinary medicine, hygiene, agriculture, forests and in the protection of materials, to pesticides comprising these depsipeptides and to novel depsipeptides of the formula (I).

Classifications:

International (IPC 8-9): A01N37/44 A01N43/72 A01N43/84 A01N43/90

C07K11/02 (Advanced/Invention);

A01N37/44 A01N43/72 A01N43/90

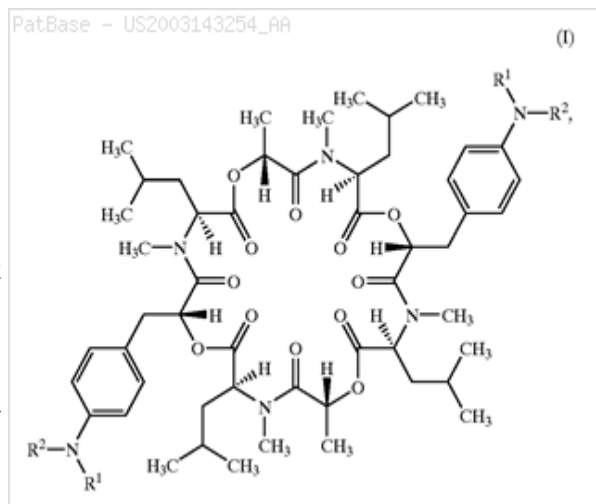
C07K11/00 (Core/Invention)

International (IPC 1-7): A01N25/00 A01N37/44 A01N43/72 A01N43/84 C07D273/00 C07K11/02

CPC: Y10S514/919 A01N43/84 A01N43/72 A01N43/90

European: A01N43/72 A01N43/84 A01N43/90

US: 424/405 514/11 514/16 514/18 514/2 514/21.1 514/4.5 514/9 514/919 530/317 530/323 540/454

**Family:**

Publication number	Publication date	Application number	Application date
AR027003 AA	20030312	AR2000P106732	20001218
AU200128413 A1	20010703	AU20010028413	20001211
AU200128413 A5	20010703	AU20010028413D	20001211
BRPI0016637 A	20021008	BR2000PI16637	20001211
CN1413082 A	20030423	CN20008017690	20001211
CO5221087 A1	20021128	CO20000097178	20001221
DE19962145 A1	20010628	DE19991062145	19991222
DE50009946 D1	20050504	DE20005009946	20001211
EP1248521 A1	20021016	EP20000993489	20001211
EP1248521 B1	20050330	EP20000993489	20001211
ES2239067 T3	20050916	ES20000993489T	20001211
IN01073MU2000 A	20050304	IN2000MU01073	20001128
JP2003518020 T2	20030603	JP20010546259T	20001211
US2003143254 AA	20030731	US20020168382	20021113
US6900176 BB	20050531	US20020168382	20021113
WO0145512 A1	20010628	WO2000EP12486	20001211

Priority:

DE19991062145 19991222

DE20005009946 20001211

WO2000EP12486 20001211

Probable Assignee: BAYER AG

Assignee(s): (std): ANDERSCH WOLFRAM ; BAYER AG ; BAYER CROPSCIENCE AG ; DYKER HUBERT ; LOESEL PETER ; ERDELEN CHRISTOPH ; LOSEL PETER ; NAUEN RALF

Assignee(s): BAYER AKTIENGESELLSCHAFT

Inventor(s): (std): HUBERT DYKER ; LOSEL PETER ; NAUEN RALF ; DYKER H ; DYKER HUBERT ; ERDELEN C ; ERDELEN CHRISTOPH ; ANDERSCH W ; ANDERSCH WOLFRAM ; LOESEL PETER

Inventor(s): CHRISTOPH ERDELEN ; C ERDELEN ; H DYKER ; W ANDERSCH ; WOLFRAM ANDERSCH ; RALF NAUEN ; PETER LOSEL ; PETER LOESEL

Agent(s): ERNESTO CAVELIER; HENDERSON RICHARD E L; RICHARD E L

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

Title: Endoparasitocidal compositions

Abstract: PCT No. PCT/EP96/02170 Sec. 371 Date Nov. 19, 1997 Sec. 102(e) Date Nov. 19, 1997 PCT Filed May 20, 1996 PCT Pub. No. WO96/38165 PCT Pub. Date Dec. 5, 1996 The present invention relates to mixtures of avermectins, 22,23-dihydroavermectins B1 (ivermectins) and milbemycins from the class of the macrocyclic lactones in combination with cyclic depsipeptides, optionally in the presence of praziquantel or epsiprantel, for increasing the endoparasitocidal action in endoparasitocidal compositions.

Classifications:**International (IPC 8-9):** A61K31/395

A61K31/495 A61K31/55 A61K31/7036

A61K31/704 A61K31/7048 A61K38/00

A61K38/15 A61P33/00 A61P33/10 C07D273/00

C07D493/22 (Advanced/Invention);

A61K31/395 A61K38/15 A61P33/00

C07D273/00 (Advanced/Non-invention);

A61K31/395 A61K31/7028 A61K38/15

A61P33/00 C07D273/00

C07D493/00 (Core/Invention)

International (IPC 1-7): A01N37/44 A01N43/16

A61K31/335 A61K31/35 A61K31/365

A61K31/395 A61K31/495 A61K31/55 A61K31/70

A61K31/7036 A61K31/704 A61K31/7048

A61K31/71 A61K38/00 A61K38/15 A61P33/00

A61P33/10 C07D273/00 C07D471/04

C07D487/04 C07D493/22 C07H17/08 C07K11/02

F16B9/02 F21V19/02 F21V21/02 F21V21/08

CPC: A61K38/15**European:** A61K38/15**US:** 514/11 514/21.1 514/30 514/4.6 514/450 514/9**Family:**

Publication number	Publication date	Application number	Application date
AR005640 AA	19990714	AR19960102860	19960531
AT213645 E	20020315	AT19960916137T	19960520
AU199659004 A1	19961218	AU19960059004	19960520
AU703048 B2	19990311	AU19960059004	19960520
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DK0828506 T3	20020610	DK19960916137T	19960520
EP0828506 A2	19980318	EP19960916137	19960520
EP0828506 B1	20020227	EP19960916137	19960520
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PatBase - PL323595_A1

14 184 848

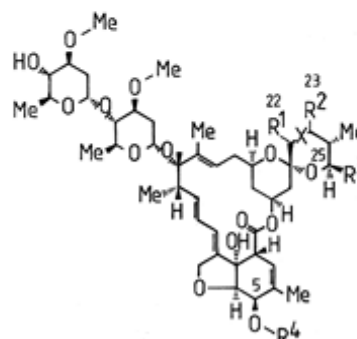
1. Wylizanie robaków wydłogłych z kałem przed i po traktowaniu.
2. Procentowa aktywność w teście krytycznym według wzoru:

$$\% \text{ aktywności} = \frac{\text{robaki wydłogane po traktowaniu}}{\text{robaki wydłogane po traktowaniu i robaki pozostałe}} \times 100$$

W tabeli E podane jest działanie kombinacji przeciwczoł: *Ancylostoma caninum* u psa.
Tabela E przedstawia działanie kombinacji PF 1002 A i ivermektyny B₁/B₂ przeciwko *Ancylostoma caninum* u psa po podaniu per os.

Tabela E

Substancja czynna i dawkę (mg/kg)	Stopień (%) redukcji
PF 1002 A	1,0
	0,5
Iwermektyna B ₁ /B ₂	0,01
	0,001
PF 1002 A +	0,5
Iwermektyna	0,001
	>80



Wzór 1

HU9900346 AB	19990628	HU19990000346	19960520
HU9900346 AC	20000428	HU19990000346	19960520
IL118518 A0	19960912	IL19960118518	19960531
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NO975516 A0	19971201	NO19970005516	19971201
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SK159997 A3	19980708	SK19970001599	19960520
SK283884 B6	20040406	SK19970001599	19960520
TR9701484 T1	19980321	TR19970001484T	19960520
TW469133 B	20011221	TW19960105513	19960510
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WO9638165 A2	19961205	WO1996EP02170	19960520
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ZA9604473 A	19970129	ZA19960004473	19960531

Priority:

DE19951020275 19950602 DE19965008798 19960520 WO1996EP02170 19960520

Probable Assignee: BAYER AG

Assignee(s): (std): BAYER AG ; BAYER IP GMBH ; MENCKE NORBERT ; HARDER ACHIM ; JESCHKE PETER ; HELPAP BARBARA ; BAYER ANIMAL HEALTH GMBH

Assignee(s): BAYER INTELLECTUAL PROPERTY GMBH ; BAYER LEVERKUSEN AG ; KOLBL BARBARA ; BAYER AG 51373 LEVERKUSEN DE ; BAYER AG LEVERKUSEN ; BAYER AKTIENGESELLSCHAFT

Inventor(s): (std): HARDER ACHIM DR DR ; HELPAP BARBARA DR ; JESCHKE PETER DR ; MENCKE NORBERT DR ; PETER JESCHKE ; P JESCHKE ; NORBERT MENCKE ; N MENCKE ; MENCKE NORBERT ; KOLBL BARBARA ; KOELBL BARBARA ; K LBL BARBARA ; JESCHKE PETER ; HELPAP BARBARA DE ; HELPAP BARBARA ; HARDER ACHIM DR ; HARDER ACHIM ; HARDEN A ; DR ACHIM HARDER ; BARBARA HELPAP ; ACHIM HARDER ; A HARDER ; A HARDEN ; MENCKE N ; JESCHKE P ; HARDER A

Inventor(s): ACHIM DR HARDER ; BARBARA DE HELPAP ; BARBARA KOELBL ; HARDER ACHIM DR DR 51109 KOELN DE ; HELPAP BARBARA DR 51103 KOELN DE ; JESCHKE PETER DR 51373 LEVERKUSEN DE ; MENCKE NORBERT DR 51381 LEVERKUSEN DE ; NORBERT DR MENCKE ; PETER DR JESCHKE

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; FETHERSTONHAUGH AND CO; REINHOLD COHN AND PARTNERS

Designated states: AT AU BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK ES FI FR GA GB GN GR HU IE IT JP KR KZ LI LK LU MC ML MR MX NE NL NO NZ PL PT RO RU SE SK SN TD TG TR UA US

Title: Thiodi-peptides for combating endoparasites and a method for producing the same

Abstract: The present invention relates to cyclic thiodi-peptides, in particular 18 to 24-membered cyclothiodi-peptides, their endoparasitological compositions, and methods of making and using the same.

Classifications:

International (IPC 8-9): A61K31/39

A61K31/395 A61P33/00 A61P33/10 C07D273/00 C07D407/12 C07D407/14

C07D413/14 (Advanced/Invention);

A61K31/395 A61P33/00

C07D273/00 (Advanced/Non-invention);

A61K31/39 A61K31/395 A61P33/00 C07D273/00

C07D407/00 C07D413/00 (Core/Invention)

International (IPC 1-7): A61K31/395

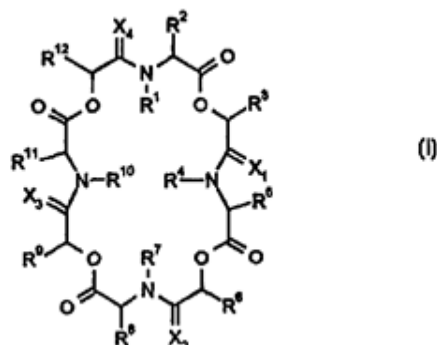
A61K38/00 A61K38/15 A61P33/00 A61P33/10 C07D273/00 C07K11/02 C07K5/00 C07K5/06

CPC: C07D407/12 C07D407/14 C07D413/14 C07D273/00

European: C07D273/00 C07D407/12 C07D407/14 C07D413/14

US: 530/300 530/317 530/330

PatBase - DE19713626_A1



Family:

Publication number	Publication date	Application number	Application date
AU199870388 A1	19981022	AU19980070388	19980320
AU731789 B2	20010405	AU19980070388	19980320
CN1083445 C	20020424	CN19988005729	19980320
CN1259128 A	20000705	CN19988005729	19980320
DE19713626 A1	19981008	DE19971013626	19970402
DE59807652 D1	20030430	DE19985007652	19980320
EP0973756 A1	20000126	EP19980917025	19980320
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JP2001524952 T2	20011204	JP19980541108T	19980320
KR20000076392 A	20001226	KR19997008495	19980320
NZ338102 A	20010223	NZ19980338102	19980320
US6265537 BA	20010724	US19990381946	19990927
WO9843965 A1	19981008	WO1998EP01628	19980320

Priority:

DE19971013626 19970402

DE19985007652 19980320

WO1998EP01628 19980320

Probable Assignee: BAYER AG

Assignee(s): (std): BONSE GERHARD ; HARDER ACHIM ; IINUMA KATSU HARU ; MEIJI SEIKA KAISHA ; JESCHKE PETER ; VON SAMSON HIMMELSTJERNA GEORG ; MENCKE NORBERT ; SAKANAKA OSAMU ; MEIJI SEIKA KAISHA LTD ; BAYER AG

Assignee(s): BAYER AG 51373 LEVERKUSEN DE ; BAYER AKTIENGESELLSCHAFT

Inventor(s): (std): ACHIM HARDER ; A HARDER ; VON SAMSON HIMMELSTJERNA GEORG ; SUMSON HIMMELSTJERNA G VON ; SUMSON HIMMELSTJERNA G VON ; SAMSON HIMMELSTJERNA GEORG VON ; SAMSON GEORG VON DR ; SAKANAKA OSAMU DR ; SAKANAKA OSAMU ; MENCKE NORBERT DR ; MENCKE NORBERT ; JESCHKE PETER DR ; JESCHKE PETER ; JESCHKE P ; IINUMA KATSU HARU DR ; IINUMA KATSU HARU ; HIMMELSTJERNA GEORG VON SAMSON ; HARDER ACHIM DR DR ; HARDER ACHIM DR ; HARDER ACHIM ; HARDER A ; GEORG VON SAMSON HIMMELSTJERNA ; BONSE GERHARD DR ; BONSE GERHARD ; NORBERT MENCKE ; OSAMU SAKANAKA ; P JESCHKE ; PETER JESCHKE ;

KATSUHARU IINUMA ; GERHARD BONSE ; G VON SUMSON HIMMELSTJERNA ; G
VON SUMSON HIMMELOSTJERNA ; DR ACHIM HARDER

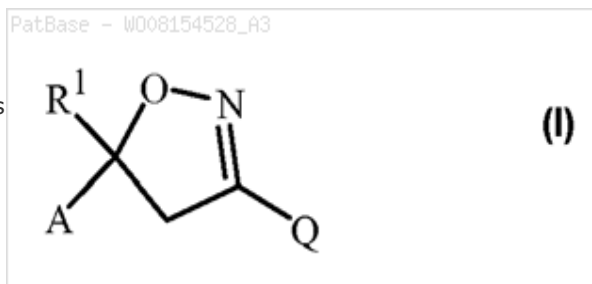
Inventor(s): BONSE GERHARD DR 51061 KOELN DE ; IINUMA KATSUHARU DR ODAWARA
KANAGAWA JP ; HARDER ACHIM DR DR 51109 KOELN DE ; JESCHKE PETER DR
51373 LEVERKUSEN DE ; MENCKE NORBERT DR 51381 LEVERKUSEN DE ;
SAKANAKA OSAMU DR ODAWARA KANAGAWA JP ; SAMSON GEORG VON DR
30625 HANNOVER DE

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD

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

Title: ISOXAZOLINE INSECTICIDES

Abstract: Disclosed are compounds of Formula 1, including all geometric and stereoisomers, N-oxides, and salts thereof, wherein A is a 6-membered aromatic ring containing carbon atoms and 0-3 nitrogen atoms as ring members, said ring optionally substituted with 1-5 substituents independently selected from R2; R1 is C1-C6 alkyl, C2-C6 alkenyl, C2-C6 alkynyl, C3-C6 cycloalkyl, C4-C7 alkylcycloalkyl or C4-C7 cycloalkylalkyl, each optionally substituted with one or more substituents independently selected from R21; R21 is independently H, halogen, C1-C6 alkyl, C1-C6 alkoxy, C1-C6 haloalkoxy, C1-C6 alkylthio, C1-C6 haloalkylthio, C1-C6 alkylsulfinyl, C1-C6 haloalkylsulfinyl, C1-C6 alkylsulfonyl, C1-C6 haloalkylsulfonyl, CN or NO2; and Q is as defined in the disclosure. Also disclosed are compositions containing the compounds of Formula 1 and methods for controlling an invertebrate pest comprising contacting the invertebrate pest or its environment with a biologically effective amount of a compound or a composition of the invention.

**Classifications:**

International (IPC 8-9): A01N A01N25/02 A01N43/00 A01N43/54 A01N43/78 A01N43/80 A01N43/90 A01N47/12 A01N53/00 A01N57/16 A01N57/28 A01N63/02 A01N63/04 A01P17/00 A01P7/02 A01P7/04 A61K31/42 A61K31/422 A61K31/4439 A61K31/454 A61K31/496 C07D C07D261/04 C07D413/04 C07D413/10 C07D413/12 C07D413/14 (Advanced/Invention); A01N43/00 A01N43/72 C07D261/00 C07D413/00 (Core/Invention); A01N C07D (Subclass/Invention)

International (IPC 1-7): C07D261/04

CPC: A01N43/80 A01N43/90 A01N63/02 A01N63/04 A01N53/00 A01N57/28 A01N43/54 A01N57/16 A01N43/78 C07D261/04 C07D413/04 C07D413/10 C07D413/12 C07D413/14 Y02A50/356

European: C07D261/04 C07D413/04 C07D413/10 C07D413/12 C07D413/14

US: 1/1 424/93.4 424/93.5 424/93.6 514/129 514/254.04 514/266.21 514/30 514/307 514/319 514/338 514/340 514/342 514/378 514/378S 514/4.5 514/86 544/367 546/146 546/205 546/272.1 546/272.100S 548/240 548/240S

Family:

Publication number	Publication date	Application number	Application date
AU2008261793 AA	20081218	AU20080261793	20080610
AU2014277839 AA	20150122	AU20140277839	20141219
AU2014277839 BB	20170202	AU20140277839	20141219
CA2684671 AA	20081218	CA20082684671	20080610
CN101815706 A	20100825	CN200880018994	20080610
DE602008029282 D1	20140206	DE200860029282T	20080610
EP2155701 A2	20100224	EP20080795894	20080610
EP2155701 B1	20131211	EP20080795894	20080610
ES2445651 T3	20140304	ES20080795894T	20080610
HK1141531 A1	20101112	HK20100108070	20100824
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JP2010529989 T2	20100902	JP20100512291T	20080610
JP5473906 B2	20140416	JP20100512291T	20080610
MX2009013469 A1	20100120	MX20090013469	20080610
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US2014127165 AA	20140508	US20140148410	20140106
US2015098928 A9	20150409	US20140148410	20140106
US8623875 BB	20140107	US20080602821	20080610

US9095138 BB	20150804	US20140148410	20140106
WO08154528 A2	20081218	WO2008US66381	20080610
WO08154528 A3	20090319	WO2008US66381	20080610

Priority:

US20070934496P 20070613 AU20080261793 20080610 US20080602821 20080610
 EP20080795894 20080610 WO2008US66381 20080610 US20090602821 20091203
 US20140148410 20140106 AU20140277839 20141219

Probable Assignee: E I DU PONT DE NEMOURS AND CO

Assignee(s): (std): DU PONT ; DUPONT CO ; WAGERLE TY ; XU MING ; LAHM GEORGE PHILIP

Assignee(s): E I DUPONT DE NEMOURS AND COMPANY ; EI DUPONT DE NEMOURS AND CO ; EIDU PONT DE NEMOURS AND CO ; EI DU PONT DE NEMOURS AND CO ; E I DU PONT DE NEMOURS AND CO ; E I DU PONT DE NEMOURS AND CO WILMINGTON ; E I DU PONT DE NEMOURS AND COMPANY

Inventor(s): (std): LAHM GEORGE ; LAHM GEORGE PHILIP ; MING XU ; PHILIP LAHM GEORGE ; TY WAGERLE ; WAGERLE TY ; XU MING

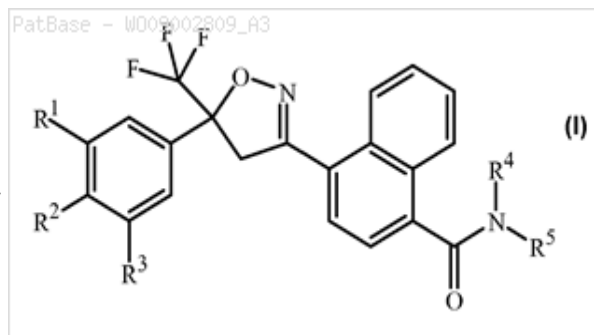
Inventor(s): XU MING NEWARK ; WAGERLE TY BEAR ; LAHM GEORGE PHILIP WILMINGTON ; GEORGE PHILIP LAHM

Agent(s): HOULIHAN2; HOULIHAN2; HOULIHAN2 PTY LTD; MARKS AND CLERK LUXEMBOURG LLP; BEACHAM ANNABEL ROSE; DE ELZABURU ALBERTO; NTD PATENT AND TRADE MARK AGENCY LTD; E I DU PONT DE NEMOURS AND COMPANY,LEGAL PATENT RECORDS CENTER; E I DU PONT DE NEMOURS AND CO LEGAL PATENT RECORDS CENTER; PEPPER HAMILTON LLP; REHBERG EDWARD F

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

Title: NAPHTHALENE ISOXAZOLINE INVERTEBRATE PEST CONTROL AGENTS

Abstract: Disclosed are compounds of Formula 1, wherein R¹ is halogen, C1-C2 haloalkyl or C1-C2 haloalkoxy; R² is H, halogen or cyano; R³ is H, halogen or CF₃; R⁴ is H, C2-C7 alkylcarbonyl or C2-C7 alkoxy carbonyl; and R⁵ is C1-C6 alkyl or C1-C6 haloalkyl, each substituted with one substituent independently selected from hydroxy, C1-C6 alkoxy, C1-C6 alkylthio, C1-C6 alkylsulfinyl, C1-C6 alkylsulfonyl, C2-C7 alkylaminocarbonyl, C3-C9 dialkylaminocarbonyl, C2-C7 haloalkylaminocarbonyl and C3-C9 halodialkylaminocarbonyl. Also disclosed are compositions containing the compounds of Formula 1 and methods for controlling an invertebrate pest comprising contacting the invertebrate pest or its environment with a biologically effective amount of a compound or a composition of the invention.

**Classifications:**

International (IPC 8-9): A01N A01N25/02 A01N25/08 A01N29/10 A01N43/80 A01N47/02 A01P A01P7/00 A01P7/02 A01P7/04 A61K31/42 A61K31/426 A61K31/44 A61K31/4439 A61K31/505 A61K31/53 A61K31/535 A61K31/7048 A61K31/715 A61K35/74 A61K35/76 A61P33/00 A61P33/14 C07D C07D261/02 C07D261/04 (Advanced/Invention);
A01N29/10 A01N43/80 A01P7/00 C07D261/04 (Advanced/Non-invention);
A01N29/00 A01N43/00 A01N43/40 A01N43/72 A01P7/00 C07D261/00 (Core/Invention);
C07D (Subclass/Invention)

International (IPC 1-7): A01N 43/40 A01N43/56 A01N43/80 A61K31/42 C07D261/04 C07D261/08

CPC: A01N43/80 C07D261/04

European: A01N43/80 C07D261/04

US: 424/93.461 424/93.461P 424/93.6 424/93.600S 514/229.2 514/229.200S 514/245 514/245S 514/27 514/27S 514/275S 514/27S 514/341 514/341S 514/357 514/357S 514/365 514/365S 514/378 514/378S 514/53 514/53S 540/240 548/240 548/240S

Family:

Publication number	Publication date	Application number	Application date
AR067185 AA	20090930	AR2008P102762	20080626
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IN282566 B	20170421	IN2009DN06897	20091027
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RU2010102224 A	20110810	RU20100102224	20080620
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WO09002809 A2	20081231	WO2008US67576	20080620
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Priority:

US20070937285P 20070626	AU20080268614 20080620	EP20080825993 20080620
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AU20180202270 20180329		

Probable Assignee: E I DU PONT DE NEMOURS AND CO

Assignee(s): (std): LAHM GEORGE PHILIP ; DU PONT ; DUPONT CO ; DUPONT CO LTD ; E I DU PONT DE NEMOURS AND CO ; E I DUPONT DE NEMOURS AND CO ; XU MING ; LONG JEFFREY KEITH

Assignee(s): E I DU PONT DE NEMOURS AND CO LTD ; E I DU PONT DE NEMOURS AND COMPANY ; E I DU PONT DE NEMOURS AND COMPANY INC ; EI DU PONT DE NEMOURS AND CO ; EI DU PONT DE NEMOURS AND CO INC ; EIDU PONT DE NEMOURS AND CO ; EIDJUPON DE NEMUR EHND KOMPANI ; EI DU PONT DE NEMOURS AND COMPANYINC ; EI DUPONT DE NEMOURS AND CO

Inventor(s): (std): JEFFREY KEITH LONG ; KEITH LONG JEFFREY ; LEHM DZHORDZH FILIP ; LONG DZHEFRI KIT ; MING XU ; PHILIP LAHM GEORGE ; SJUJ MIN ; GEORGE PHILIP LAHM ; XU MING ; LONG JEFFREY KEITH ; LONG JEFFREY ; LAHM GEORGE PHILIP ; LAHM GEORGE

Inventor(s): GEORGE PHILIP LAHM

Agent(s): HOULIHAN²; HOULIHAN²; HOULIHAN² PTY LTD; TORYS LLP; VILLASECA;

BEACHAM ANNABEL ROSE; ELZABURU SLP ELZABURU SLP; NTD PATENT AND
TRADE MARK AGENCY LTD; CHINA PATENT AGENT HK LTD; SANFORD TCOLB
AND CO; E I DU PONT DE NEMOURS AND COMPANY,LEGAL PATENT RECORDS
CENTER; E I DU PONT DE NEMOURS AND CO LEGAL PATENT RECORDS CENTER;
PEPPER HAMILTON LLP; REHBERG EDWARD F

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

Title: NOVEL POSSIBILITY OF CONTROLLING GIARDIOSIS

Abstract: The present invention relates to the use of nifurtimox for the treatment of giardiasis, in particular in dogs and cats.

Classifications:

International (IPC 8-9): A61K A61K31/345 A61K31/395 A61K31/5377 A61K31/5395 A61K31/541 A61K36/12 A61K38/12 A61K38/15 A61K45/00 A61K9/10 A61P A61P33/00 A61P33/02

A61P33/10 (Advanced/Invention);

A61K31/541 A61K38/15 A61P33/02 C07D273/08 C07D417/12 (Advanced/Non-invention);

A61K31/541 A61K38/12 A61K38/15 A61P33/00 (Core/Invention);

A61P33/00 (Core/Non-invention);

A61K A61P (Subclass/Invention)

International (IPC 1-7): A01N43/72 A01N43/84 A01P5/00 A61K31/541 A61K38/15 A61P33/02 A61P33/10

CPC: Y02A50/491 A61K31/541 A61K9/0095 A61K9/10 A61K9/4841 A61K38/15

European: A61K31/541 A61K38/15 A61K9/00Z6 A61K9/10 K61K9/48H

US: 514/21.1 514/222.2 514/227.8 514/227.800S 514/4.4 514/4.400P 514/4.6 514/449

Family:

Publication number	Publication date	Application number	Application date
AR072425 AA	20100825	AR2009P102439	20090630
AU2009266125 AA	20100107	AU20090266125	20090620
AU2009266125 BB	20150604	AU20090266125	20090620
BRPI0913889 A2	20151027	BR2009PI13889	20090620
CA2729730 AA	20100107	CA20092729730	20090620
CA2729730 C	20160322	CA20092729730	20090620
CL2013000709 A1	20130823	CL2013000709	20130315
CN102083441 A	20110601	CN200980125508	20090620
CN102083441 B	20130724	CN200980125508	20090620
CO6321270 A2	20110920	CO20100162857	20101227
CR20110022 A	20110510	CR20110000022	20110111
DE102008031284 A1	20100107	DE200810031284	20080702
DE502009008551 D1	20140213	DE200950008551T	20090620
DK2310018 T3	20140324	DK20090772099T	20090620
DOP2010000405 A	20110115	DO20100000405	20101227
ECSP10010720 A	20110131	EC2010SP10720	20101227
EP2310018 A1	20110420	EP20090772099	20090620
EP2310018 B1	20131218	EP20090772099	20090620
ES2444581 T3	20140225	ES20090772099T	20090620
HK1158113 A1	20140411	HK20110112838	20111125
HK1158113 A1	20120713	HK20110112838	20111125
HK1158113 A3	20120713	HK20110112838	20111125
HK1158113 B	20140411	HK20110112838	20111125
IL209698 A0	20110228	IL20090209698	20090620
IL209698 A1	20160331	IL20090209698	20090620
JP2011526265 T2	20111006	JP20110515179T	20090620
JP5627579 B2	20141119	JP20110515179T	20090620
KR101720805 B1	20170328	KR20117002111	20090620
KR20110031357 A	20110325	KR20117002111	20090620
MX2010014446 A1	20110222	MX20100014446	20090620
MY157007 A	20160415	MY20100006319	20090620
NZ590276 A	20121221	NZ20090590276	20090620
PE02832011 A1	20110507	PE20100001201	20090620
RU2011103475 A	20120810	RU20110103475	20090620

RU2538713 C2	20150110	RU20110103475	20090620
RU2538713 C9	20150820	RU20110103475	20090620
SV2011003785 A	20110520	SV20110003785	20110103
UA103328 C2	20131010	UA20110001135	20090620
US2011105388 AA	20110505	US20090000715	20090620
US8440612 BB	20130514	US20090000715	20090620
WO10000399 A1	20100107	WO2009EP04475	20090620
ZA201009225 A	20120328	ZA20100009225	20101222

Priority:

DE200810031284 20080702 WO2009EP04475 20090620 EP20090772099 20090620
CL20100001577 20101227 CL20130000709 20130315

Probable Assignee: BAYER AG

Assignee(s): (std): ARGENT MARINE MAN INC ; ARGENT MARINE MAN O INC ; BAYER SCHERING PHARMA AG ; HARDER ACHIM ; BAYER ANIMAL HEALTH GMBH ; GREIF GISELA ; KRUEDEWAGEN EVA MARIA ; BACH THOMAS ; BAYER IP GMBH ; BAJER INTELEKTUEHL PROPRTI GMBKH ; PETRY GABRIELE

Assignee(s): BAYER AG ; BAYER SCHERING PHARMA AKTIENGESELLSCHAFT ; BAYER INTELLECTUAL PROPERTY GMBH ; ARGENT MARINE MANAGEMENT INC ; ARGENT MARINE MANAGEMENTO INC

Inventor(s): (std): GRAJF GIZELA ; GRIEF GISELA ; KHARDER AKHIM ; KRJUDEVAGEN EHVA MARIJA ; PETRI GABRIEHLE ; THOMAS BACH ; PETRY GABRIELE ; KRUEDEWAGEN EVA MARIA ; HARDER AHIM ; HARDER ACHIM ; GREIF GISELA ; GISELA GREIF ; GABRIELE PETRY ; EVA MARIA KRUEDEWAGEN ; BACH THOMAS ; ACHIM HARDER ; BAKH TOMAS

Inventor(s): GISELA GRIEF

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; FETHERSTONHAUGH AND CO; CLARKE; BIP PATENTS; CARPINTERO MARIO; CHINA PATENT AGENT HK LTD; REINHOLD COHN AND PARTNERS; BAYER ANIMAL HEALTH GMBH

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

19) Family number: 45889498 (US2011262969A)

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Title: METHOD FOR PRODUCING OPTICALLY ACTIVE, CYCLIC DEPSIPEPTIDES COMPRISING LACTIC ACID AND PHENYL LACTIC AND HAVING 24 RING ATOMS, USING FUNGUS STRAINS OF ROSELLINIA TYPE, AND FURTHER SPECIES OF XYLARIACEAE

Abstract: The present invention relates to a process for the preparation of lactic- and phenyllactic-acid-containing, optically active, cyclic depsipeptides with 24 ring atoms by means of fungal strains of the genus *Rosellinia* and further Xylariaceae isolated not only from fruiting bodies of *Rosellinia* spp. and Xylariaceae growing on dead timber and live timber of deciduous and coniferous trees, but also directly from timber and roots of deciduous and coniferous trees, or by means of enzymatic preparations isolated from these fungal strains. PF1022A, of the general formula (I), is outstandingly suitable for controlling endoparasites, in particular in the field of medicine and veterinary medicine.

Classifications:

International (IPC 8-9): A61K38/12 A61K38/15 A61P33/00 C07C223/04 C07C233/58 C07C59/08 C07D273/00 C07K11/00 C07K11/02 C07K14/37 C12N1/14 C12N3/00 C12P C12P1/00 C12P13/04 C12P17/14 C12P21/04 C12P41/00 C12R1/645 (Advanced/Invention); C07K11/02 C12P17/14 C12P41/00 C12R1/645 (Advanced/Non-invention); C12P17/14 (Core/Invention); A61K38/12 (Core/Non-invention); C12P (Subclass/Invention)

International (IPC 1-7): C12P 17/14 C12P21/00

CPC: C12P17/14

European: C12P17/14

US: 435/106 435/106S 435/71.1 435/71.100P

Family:

Publication number	Publication date	Application number	Application date
AR074673 AA	20110202	AR2009P104885	20091215
AU2009331930 AA	20100701	AU20090331930	20091208
CA2746733 AA	20100701	CA20092746733	20091208
CN102257154 A	20111123	CN200980150955	20091208
CO6362018 A2	20120120	CO20110071014	20110608
CR20110325 A	20110929	CR20110000325	20110613
DOP2011000182 A	20110715	DO20110000182	20110610
ECSP11011117 A	20110729	EC2011SP11117	20110609
EP2379731 A1	20111026	EP20090767982	20091208
IL213006 A0	20110731	IL20090213006	20091208
IN04588DN2011 A	20120420	IN2011DN04588	20110616
KR20110095350 A	20110824	KR20117013683	20091208
MX2011006140 A1	20110803	MX20110006140	20091208
RU2011129395 A	20130127	RU20110129395	20091208
SV2011003943 A	20111108	SV20110003943	20110610
TH108802 A	20110624	TH20091005506	20091208
TW201034681 A	20101001	TW20090143185	20091216
US2011262969 AA	20111027	US20090133611	20091208
UY32322 A1	20100730	UY20090032322	20091214
WO10072323 A1	20100701	WO2009EP08740	20091208
ZA201104410 A	20120926	ZA20110004410	20110614

Priority:

EP20080021792 20081216

EP20090767982 20091208

WO2009EP08740 20091208

Probable Assignee: BAYER AG

Assignee(s): (std): BAYER AG ; BAYER ANIMAL HEALTH GMBH ; BAYER ANIMLA HEALTH GMBH ; HARDER ACHIM ; JARLING RENE ; PHAM THI LAM HUONG ; EWALD DIETRICH ; ZASPEL IRMTRAUT

Assignee(s): BAYER INTELLECTUAL PROPERTY GMBH ; BAYER ANIMAL HEALTH GMBHDE

Inventor(s): (std): ACHIM HARDER ; DIETRICH EWALD ; DIETRICH EWALS DR ; EWALD DIETRICH

; EWALD DIETRICH ; HOUNG PHAM DR THI LAM ; HUONG PHAM THI LAM ;
IRMTRAUT JARLING RENE ZASPEL DR ; IRMTRAUT ZASPEL ; JARLING RENE ;
HARDER ACHIM ; HARDER DR ACHIM ; PHAM THI LAM HOUONG ; PHAM THI
LAM HUONG ; RENE JARLING ; ZASPEL IRMTRAUT

Inventor(s): THI LAM HUONG PHAM ; JARLING RENE ZASPEL DR IRMTRAUT ; PHAM DR THI
LAM HOUNG ; EWALS DR DIETRICH ; DR ACHIM HARDER

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD;
FETHERSTONHAUGH AND CO; JAIME EDUARDO DELGADO VILLEGAS; BAYER
ANIMAL HEALTH GMBH ET AL

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

Title: NOVEL 24-MEMBERED CYCLOOCTADEPSIPEPTIDES FROM FUNGAL STRAINS AND THEIR USE AS ANTHELMINTICS OR ENDOPARASITICIDES

Abstract: The present invention relates firstly to the discovery of the previously unknown 24-membered cyclooctadepsipeptides PF1022-V, PF1022-W, XRB-C894, XRB-C942, XRB-C976, XRB-C1010, XRB-C1044, XRB-E922, XRB-E956, XRB-E990, XRB-E1024, XRB-S958, XRB-S992, XRB-S1026, XRB-S1060 (in various isomeric forms) and to the processes for the preparation of the abovementioned cyclooctadepsipeptides by means of the fungal strains from the family Xylariaceae, in particular the genera Rosellinia and Conioliariella, and by means of the mitosporic fungal strains from the groups Fusarium, Beauveria and Verticillium (orders Hypocreales and Phyllachorales), and by means of the enzymatic preparations isolated from these fungal strains, and secondly to the use of these strains for the preparation of the abovementioned novel cyclooctadepsipeptides and to the use of bassianolide and of the abovementioned novel cyclooctadepsipeptides individually or as a mixture, as anthelmintics or endoparasitides.

Classifications:

International (IPC 8-9): A01N43/72 A01P7/04

A61K31/395 A61K31/5395 A61K36/06 A61K38/12 A61K38/15 A61P33/00 A61P33/10 C07D273/00 C07K11/02 C12P21/04 (Advanced/Invention);

A61P33/00 A61P33/10 (Advanced/Non-invention);

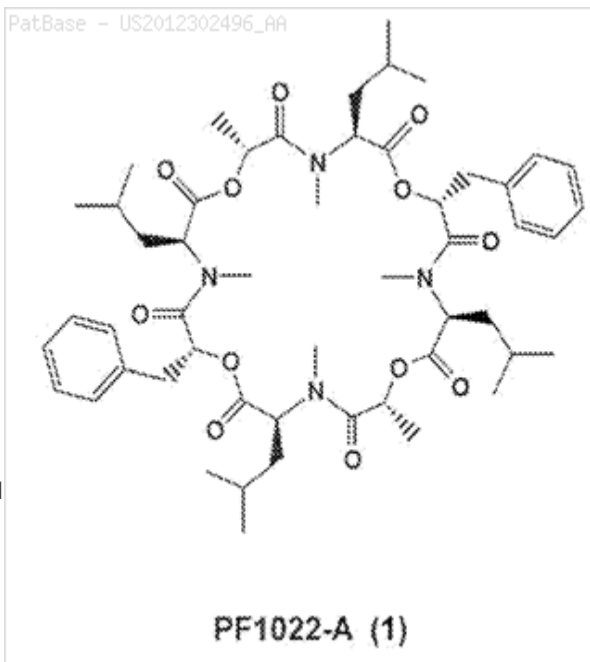
A61K36/06 A61K38/12 A61P33/00 A61P33/10 (Core/Non-invention)

International (IPC 1-7): C07K11/02 C12P21/04 C12R1/645 C12R1/77

CPC: C07D273/00

European: C07D273/00

US: 435/68.1 435/71.1 514/4.6 530/323



Family:

Publication number	Publication date	Application number	Application date
AR079341 AA	20120118	AR2010P104550	20101209
AU2010329998 AA	20110616	AU20100329998	20101207
AU2010329998 BB	20150521	AU20100329998	20101207
DE602010030732 D1	20160331	DE201060030732T	20101207
EP2509967 A1	20121017	EP20100790400	20101207
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JP2013513567 T2	20130422	JP20120542507T	20101207
JP5779787 B2	20150916	JP20120542507T	20101207
TW201138799 A	20111116	TW20100143150	20101210
US2012302496 AA	20121129	US20100514538	20101207
UY33095 A1	20110729	UY20100033095	20101208
WO11069995 A1	20110616	WO2010EP69040	20101207

Priority:

EP20090078799 20091211
EP20100790400 20101207

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WO2010EP69040 20101207

Probable Assignee: BAYER AG

Assignee(s): (std): BAYER AG ; BAYER ANIMAL HEALTH GMBH ; BAYER INTELLECTUAL PROPERTY GMBH ; BAYER IP GMBH ; WEISSHOFF HARDY ; HUYNH THANH DAM ; MUEGGE

CLEMENS ; EWALD DIETRICH ; KRIEGER KLEMENS ; PHAM THI LAM HUONG ;
ZASPEL IRMTRAUT ; HARDER ACHIM ; WEISHOFF HARDY

Inventor(s): (std): HUYNH THANH DAM ; MUEGGE CLEMENS ; EWALD DIETRICH ; KRIEGER
KLEMENS ; PHAM THI LAM HUONG ; ZASPEL IRMTRAUT ; HARDER ACHIM ;
WEISHOFF HARDY ; WEIBHOFF HARDY ; MUGGE CLEMENS ; WEISSHOFF
HARDY

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BAYER
INTELLECTUAL PROPERTY GMBH; BIP PATENTS; ONO MAKOTO; KANAYAMA
MASATAKA; TSUBOKURA MICHIAKI; SHIGEMORI KAZUKI; BAYER ANIMAL
HEALTH GMBH

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI
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SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM
ZW

Title: PROCESS FOR THE PREPARATION OF SUBSTITUTED ARYL LACTIC ACID CONTAINING CYCLODEPSIPEPTIDES WITH 24 RING ATOMS

Abstract: PCT No. PCT/EP96/05190 Sec. 371 Date Jun. 4, 1998 Sec. 102(e) Date Jun. 4, 1998 PCT Filed Nov. 25, 1996 PCT Pub. No. WO97/20945 PCT Pub. Date Jun. 12, 1997 The present invention relates to a new process for the preparation of substituted aryllactic acid-containing cyclodepsipeptides having 24 ring atoms of the formula (I): in which R¹, R², R³, R⁴ have the meaning given in the description, with the aid of fungal strains of the species Agonomycetales or enzymatic preparations isolated therefrom.

Classifications:

International (IPC 8-9): C07D273/00

C07K11/00 C12P1/00 C12P17/14 C12P21/02

C12P21/04 (Advanced/Invention);

C07K11/00 C12P21/02 C12R1/645 (Advanced/Non-invention);

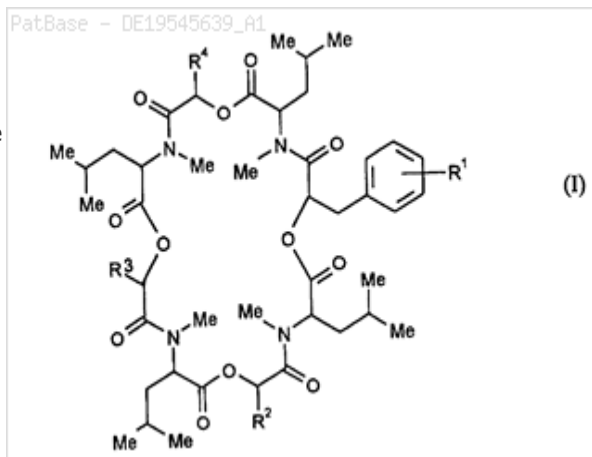
C07D273/00 C07K11/00 C12P1/00 C12P17/14 C12P21/02 C12P21/04 (Core/Invention)

International (IPC 1-7): C07D273/00 C07D273/00 C07K11/00 C07K11/02 C12P1/02 C12P17/14 C12P21/02 C12P21/04

CPC: Y10S435/911 C07D273/00 C12P1/00 C12P17/14

European: C07D273/00 C12P1/00 C12P17/14

US: 435/171 435/254.1 435/71.1 435/911 514/11 514/21.1 514/4.6 530/317 530/321



Family:

Publication number	Publication date	Application number	Application date
AT226640 E	20021115	AT19960939916T	19961125
AU199728384 A1	19970627	AU19970028384	19961125
AU705762 B2	19990603	AU19970028384	19961125
BRPI9611928 A	19990330	BR1996PI11928	19961125
CA2239537 AA	19980604	CA19962239537	19961125
CA2239537 C	20080129	CA19962239537	19961125
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CN1208439 A	19990217	CN19961099838	19961125
DE19545639 A1	19970612	DE19951045639	19951207
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DK0865498 T3	20030217	DK19960939916T	19961125
EP0865498 A1	19980923	EP19960939916	19961125
EP0865498 B1	20021023	EP19960939916	19961125
ES2184896 T3	20030416	ES19960939916T	19961125
HK1018482 A1	20040402	HK19990103470	19990810
HU223879 B1	20050228	HU19990003808	19961125
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HU9903808 AC	20001030	HU19990003808	19961125
JP2000500984 T2	20000202	JP19970520934T	19961125
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PT865498 T	20030331	PT19960939916T	19961125
US6033879 A	20000307	US19980077913	19980604
WO9720945 A1	19970612	WO1996EP05190	19961125

Priority:

DE19951045639 19951207 DE19965009824 19961125 WO1996EP05190 19961125
WO1996EP05190 19961125 JP19970520934 19961125 JP19970520934T 19961125

Probable Assignee: BAYER AG**Assignee(s):** (std): JESCHKE PETER ; BONSE GERHARD ; ETZEL WINFRIED ; HARDER ACHIM ;
IINUMA KATSU HARU ; THIELKING GERHARD ; MENCKE NORBERT ; KLEINKAUF
HORST ; ZOCHER RAINER ; MIYAMOTO KOUICHI ; BAYER AG**Assignee(s):** BAYER AG 51373 LEVERKUSEN DE ; BAYER AG LEVERKUSEN ; BAYER 51373
LEVERKUSEN DE AG ; BAYER AKTIENGESELLSCHAFT ; BAYER ANIMAL HEALTH
GMBH ; BAYER INTELLECTUAL PROPERTY GMBH**Inventor(s):** (std): ETZEL W ; ETZEL WINFRIED ; ETZEL WINFRIED DR ; BONSE G ; BONSE
GERHARD ; BONSE GERHARD DR ; HARDER ACHIM ; HARDER ACHIM DR DR ;
IINUMA KATSU HARU ; JESCHKE P ; JESCHKE PETER ; JESCHKE PETER DR ;
KLEINKAUF HORST ; KLEINKAUF HORST PROF DR ; LINUMA KATSU HARU DR ;
MENCKE NORBERT ; MENCKE NORBERT DR ; MIYAMOTO KOUICHI ; MIYAMOTO
KOUICHI DR ; THIELKING GERHARD ; THIELKING GERHARD DR ; ZOCHER
RAINER ; HARDER ACHIM DR ; ETZEL G ; AL ET ; ZOCHER RAINER DR ; LINUMA
KATSU HARU ; KLEINKAUF HORST DR ; MIYAMOTO KOICHI**Inventor(s):** ACHIM HARDER ; KATSU HARU LINUMA ; DR ZOCHER RAINER ; DR MENCKE
NORBERT ; DR KLEINKAUF HORST ; DR JESCHKE PETER ; DR HARDER ACHIM ;
DR BONSE GERHARD ; W ETZEL ; ZOCHER RAINER PRIV DOZ DR ; ZOCHER
RAINER PRIV DOZ DR 12169 BERLIN DE ; DRJESCHKE PETER ; DRHARDER
ACHIM ; DRBONSE GERHARD ; BONSE GERHARD DR 51061 KOELN DE ;
THIELKING GERHARD DR 51379 LEVERKUSEN DE ; WINFRIED ETZEL ;
MIYAMOTO KOUICHI DR ODAWARA KANAGAWA JP ; NORBERT MENCKE ; P
JESCHKE ; PETER JESCHKE ; RAINER ZOCHER ; MENCKE NORBERT DR 51381
LEVERKUSEN DE ; LINUMA KATSU HARU DR ODAWARA KANAGAWA JP ;
KLEINKAUF HORST PROF DR 12205 BERLIN DE ; KOUICHI MIYAMOTO ;
JESCHKE PETER DR 51373 LEVERKUSEN DE ; KATSU HARU IINUMA ; HARDER
ACHIM DR DR 51109 KOELN DE ; HORST KLEINKAUF ; DRKLEINKAUF HORST ;
DRMENCKE NORBERT ; DRZOCHER RAINER ; ET AL ; ETZEL WINFRIED DR
42799 LEICHLINGEN DE ; G BONSE ; G ETZEL ; GERHARD BONSE ; GERHARD
THIELKING**Agent(s):** DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD;
FETHERSTONHAUGH AND CO**Designated states:** AT AU BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK ES FI FR GA GB
GN GR HU IE IL IT JP KR KZ LI LK LU MC ML MR MX NE NL NO NZ PL PT RO RU
SE SK SN TD TG TR UA US

Title: Preparation of cyclic depsipeptide compounds and a novel cyclic depsipeptide

Abstract: PCT No. PCT/JP97/02772 Sec. 371 Date Feb. 5, 1999 Sec. 102(e) Date Feb. 5, 1999 PCT Filed Aug. 7, 1999 PCT Pub. No. WO98/05655 PCT Pub. Date Dec. 2, 1998 Known cyclic depsipeptides which are PE 1022F substance and PF 1022H substance, as well as a novel cyclic depsipeptide, PF 1022G substance, are now prepared simultaneously by cultivating a fungal strain capable of producing PF 1022F substance, PF 1022G substance and PF 1022H substance represented by the known PE 1022 strain (deposited under FERM BP-2671) which is a kind of fungus belonging to asporous imperfect fungi (the order Agonomycetales) and is presumable to belong to the genus Xylaria or the genus Rosellinia in the family Xylariaceae. The PF 1022G substance has the formula:

Classifications:

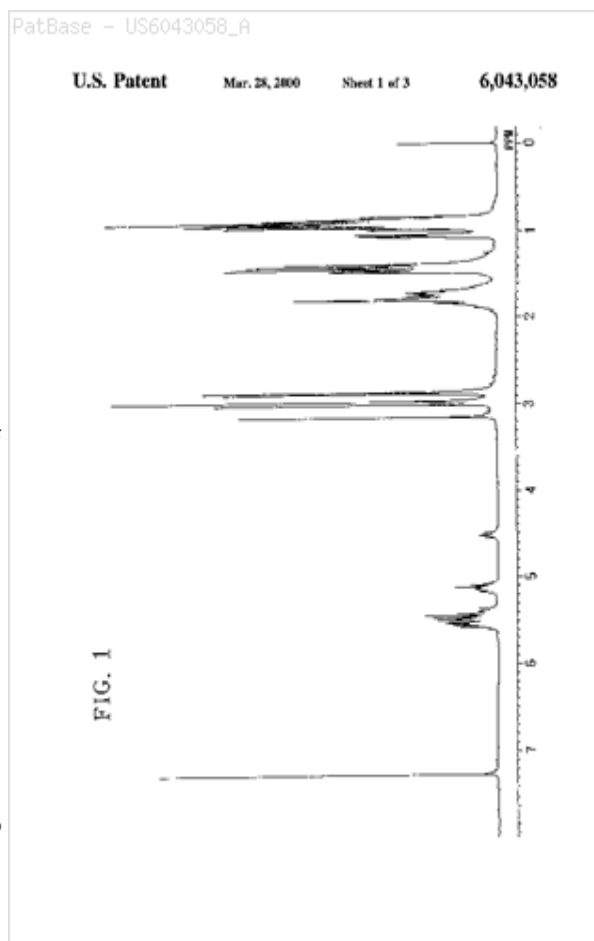
International (IPC 8-9): C07D273/00 C12P1/00 C12P17/14 C12P21/04 (Advanced/Invention); C12P1/00 C12P21/04 (Advanced/Non-invention); C07D273/00 C12P1/00 C12P17/14 C12P21/04 (Core/Invention)

International (IPC 1-7): A61K31/395 A61K38/12 C07D273/00 C07K11/00 C07K11/02 C07K16/00 C07K4/06 C07K5/12 C12N1/14 C12P1/00 C12P17/14 C12P21/04 C12R1/645

CPC: C07D273/00 C12P17/14

European: C07D273/00 C12P17/14

US: 435/117 435/120 435/132 435/135 435/136 435/171 435/71.1 514/11 514/21.1 514/9 530/300 530/317 530/323 530/328



Family:

Publication number	Publication date	Application number	Application date
AU199737844 A1	19980225	AU19970037844	19970807
AU732293 B2	20010412	AU19970037844	19970807
CA2262679 AA	19990204	CA19972262679	19970807
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NO990520 A0	19990204	NO19990000520	19990204
NZ334073 A	20001027	NZ19970334073	19970807
US6043058 A	20000328	US19990242041	19990205
US6146853 A	20001114	US20000505294	20000216
WO9805655 A1	19980212	WO1997JP02772	19970807

Priority:

JP19960208201 19960807

WO1997JP02772 19970807

Probable Assignee: MEIJI SEIKA KAISHA LTD

Assignee(s): (std): MEIJI SEIKA KAISHA ; OHYAMA MAKOTO ; TAKAHASHI MASAACKI ; SHIGEMATSU YOSHIYA ; SAKANAKA OSAMU ; MURAI YASUSHI ; MEIJI SEIKA KAISHA LTD ; IINUMA KATSUHARU ; MEIJI SEIKA CO

Assignee(s): MEIJI SEIKA KABUSHIKI KAISHA ; MAIJI SEIKA KAISHA LTD ; MEIJI SEIKA LTD ; MEIJI SEIKA PHARMA CO LTD

Inventor(s): (std): IINUMA KATSUHARAU ; IINUMA KATSUHARU ; MAKOTO OHYAMA ; MASAACKI TAKAHASHI ; MURAI YASHUSHI ; MURAI YASUSHI ; OHYAMA MAKOTO ; SAKANAKA OSAMU ; SHIGEMATSU YOSHIYA ; TAKAHASHI MASAACKI ; YOSHIYA SHIGEMATSU

Inventor(s): YASUSHI MURAI ; OSAMU SAKANAKA ; KATSUHARU IINUMA

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS; CULLENS PTY LTD; SPRUSON AND FERGUSON; C BRIAN BARLOW AND ASSOCIATES; RIDOUT AND MAYBEE LLP

Designated states: AT AU BE CA CH CN DE DK ES FR GB IT JP KR LI NL NO NZ SE US

23) Family number: 28829448 (US2003133962A)

© PatBase

Title: PEST CONTROL AGENT/PF 1022-221

Abstract: The present invention relates to the use of a 24-membered cyclodepsipeptide of the formula (I) for controlling animal pests in agriculture, forests and the protection of materials, and to pesticides comprising this depsipeptide.

Classifications:

International (IPC 8-9): A01N37/44 A01N43/72

A01P5/00 A01P7/04 (Advanced/Invention);

A01N43/72 (Advanced/Non-invention);

A01N37/44 A01N43/72 (Core/Invention)

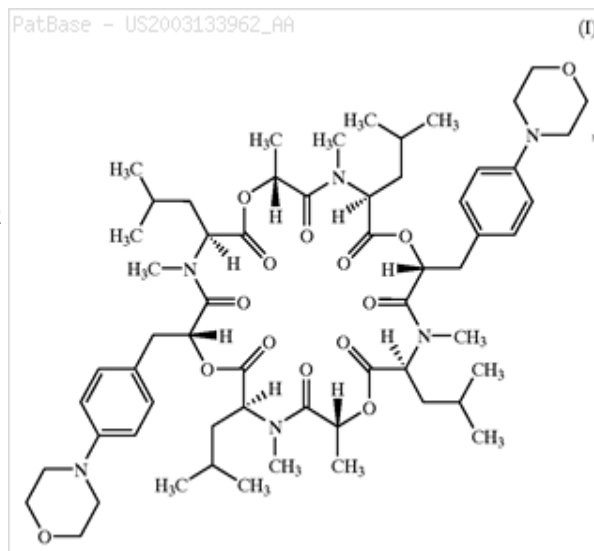
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A01N37/44 A01N43/72 A01N43/84

CPC: A01N43/72

European: A01N43/72

US: 424/405 514/11 514/4.5 514/9



Family:

Publication number	Publication date	Application number	Application date
AR027002 AA	20030312	AR2000P106731	20001218
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US2003133962 AA	20030717	US20020168383	20021113
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ZA200203949 A	20030519	ZA20020003949	20020517

Priority:

DE19991062147 19991222

DE20005009678 20001211

WO2000EP12485 20001211

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WO2000EP12485 20020529

Probable Assignee: BAYER AG

Assignee(s): (std): ANDERSCH WOLFRAM ; BAYER AG ; BAYER CROPSCIENCE AG ; DYKER HUBERT ; ERDELEN CHRISTOPH ; LOESEL PETER ; LOSEL PETER ; NAUEN RALF

Assignee(s): BAYER AKTIENGESELLSCHAFT

Inventor(s): (std): WOLFRAM ANDERSCH ; RALF NAUEN ; PETER LOSEL ; HUBERT DYKER ;
CHRISTOPH ERDELEN ; LOESEL PETER ; ANDERSCH W ; NAUEN RALF ; LOSEL
PETER ; ERDELEN CHRISTOPH ; DYKER HUBERT ; ANDERSCH WOLFRAM ;
ERDELEN C ; DYKER H

Inventor(s): C ERDELEN ; H DYKER ; W ANDERSCH ; PETER LOESEL

Agent(s): ERNESTO CAVELIER

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR
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MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG
TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Title: OIL-BASED PREPARATION

Abstract: The present invention relates to an oil-based preparation comprising a triazine which is active against parasitic protozoans and an anthelmintic cyclodepsipeptide, which preparation is particularly suitable for the oral application of the active substance combination in animals.

Classifications:

International (IPC 8-9): A61K A61K31/33

A61K31/53 A61K38/00 A61K38/12 A61K38/15

A61K47/10 A61K47/12 A61K47/14 A61K47/22

A61K47/44 A61K9/00 A61K9/10 A61K9/14 A61P

A61P33/00 A61P33/02 A61P33/10 A61P43/00

C07D251/04 (Advanced/Invention);

A61P33/00 (Advanced/Non-invention);

A61K31/00 A61K31/53 A61K38/00 A61K38/12

A61K9/00 A61K9/10 A61K9/14

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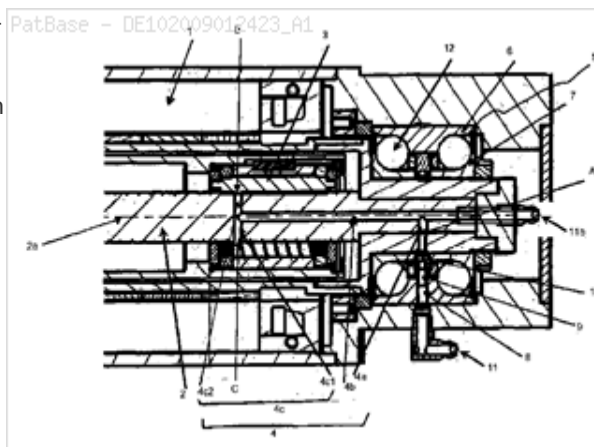
A61K A61P (Subclass/Invention)

International (IPC 1-7): A01N43/72 A61K31/33 A61K31/53 A61P33/00

CPC: A61K9/10 A61K9/14 A61K31/53 A61K38/12 A61K38/15 A61K9/0053 A61K47/44

European: A61K31/53 A61K38/12 A61K38/15 A61K9/10 A61K9/14

US: 424/400 424/400P 514/4.6 514/4.600S

**Family:**

Publication number	Publication date	Application number	Application date
AR075629 AA	20110420	AR2010P100577	20100226
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JP5845092 B2	20160120	JP20110553335T	20100305
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WO10102762 A1	20100916	WO2010EP01396	20100305
ZA201106349 A	20121128	ZA20110006349	20110830

Priority:

DE200910012423 20090310 CN201080010959 20100305 WO2010EP01396 20100305
EP20100707228 20100305 JP20110553335T 20100305 JP20150137577 20150709

Probable Assignee: BAYER AG

Assignee(s): (std): BACH THOMAS ; BAYER ANIMAL HEALTH GMBH ; HARDER ACHIM ; KANIKANTI VENKATA RANGARAO ; BAYER IP GMBH

Assignee(s): BAYER INTELLECTUAL PROPERTY GMBH ; BAYER AG

Inventor(s): (std): ACHIM HARDER ; THOMAS BACH ; VENKATA RANGARAO KANIKANTI ; HARDER ACHIM ; BACH THOMAS ; KANIKANTI VENKATA RANGARAO

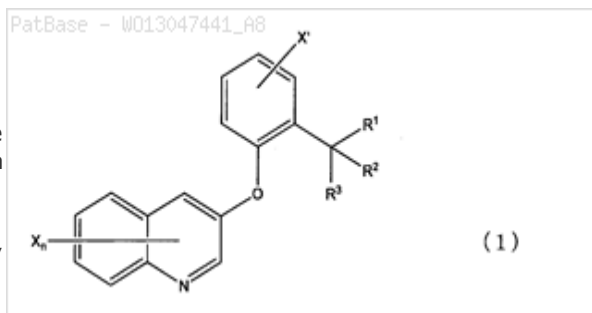
Inventor(s): KANIKANTI, VENKATA-RANGARAO ; KANIKANTI VENKATA

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD;
FETHERSTONHAUGH AND CO; BIP PATENTS; CARPINTERO MARIO; CHINA
PATENT AGENT HK LTD; SHIGEMORI KAZUKI; TSUBOKURA MICHIAKI;
KANAYAMA MASATAKA; ONO MAKOTO; AYSEGUEL SENARSLAN; BAYER ANIMAL
HEALTH GMBH

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI
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SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM
ZW

Title: AGRICULTURAL AND HORTICULTURAL FUNGICIDAL COMPOSITION

Abstract: The present invention provides an agricultural and horticultural fungicidal composition including a compound A which is at least one selected from a nitrogen-containing heterocyclic compound having a specific structure including a compound represented by the formula (1), and a salt thereof, and a compound B which is at least one selected from the group of specific pesticidally active compounds: in the formula (1), X each independently represents a halogeno group or a C1 to 6 alkyl group; n represents the number of X(s) and is an integer of 0 to 6; and X' represents a halogeno group; and R1, R2 and R3 each independently represent a C1 to 6 alkyl group or a hydroxyl group.

**Classifications:**

International (IPC 8-9): A01N25/02 A01N25/04 A01N31/14 A01N35/04 A01N37/18 A01N37/20 A01N37/24 A01N37/28 A01N37/34 A01N37/46 A01N37/50 A01N37/52 A01N43/10 A01N43/22 A01N43/24 A01N43/28 A01N43/32 A01N43/34 A01N43/36 A01N43/40 A01N43/42 A01N43/50 A01N43/54 A01N43/56 A01N43/58 A01N43/653 A01N43/707 A01N43/713 A01N43/72 A01N43/76 A01N43/78 A01N43/80 A01N43/88 A01N43/90 A01N47/02 A01N47/04 A01N47/12 A01N47/14 A01N47/18 A01N47/24 A01N47/26 A01N47/28 A01N47/30 A01N47/34 A01N47/38 A01N47/40 A01N47/44 A01N51/00 A01N55/02 A01N57/12 A01N57/14 A01N57/16 A01N57/20 A01N63/02 A01P3/00 (Advanced/Invention);

A01N43/72 A01P3/00 (Core/Invention)

CPC: A01N43/50 A01N43/40 A01N57/12 A01N43/54 A01N57/14 A01N43/713 A01N43/78 A01N43/88 A01N43/22 A01N43/707 A01N47/30 A01N43/36 A01N47/40 A01N43/42 A01N43/90 A01N43/72 A01N31/14 A01N35/04 A01N37/18 A01N37/24 A01N37/20 A01N37/34 A01N37/46 A01N37/50 A01N43/32 A01N43/653 A01N47/14 A01N47/26 A01N47/34 A01N37/28 A01N37/52 A01N43/28 A01N43/58 A01N43/76 A01N47/02 A01N47/04 A01N47/12 A01N47/18 A01N47/24 A01N47/38 A01N47/44 A01N51/00 A01N57/16 A01N2300/00

US: 514/142 514/143 514/211.09 514/223.8 514/229.2 514/242 514/259.31 514/266.3 514/269 514/275 514/28 514/312

Family:

Publication number	Publication date	Application number	Application date
AU2012317718 AA	20130404	AU20120317718	20120924
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CN103889229 A	20140625	CN201280045920	20120924
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EA201400247 A1	20140730	EA20140000247	20120924
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EP2762002 A4	20150422	EP20120836421	20120924
IN02058CN2014 A	20160701	IN2014CN02058	20140318
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JP2016199595 A2	20161201	JP20160172855	20160905
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JP6270919 B2	20180131	JP20160124982	20160623

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Priority:

JP20110209969 20110926 CN201280045920 20120924 JP20130536266T 20120924
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Probable Assignee: NIPPON SODA CO LTD

Assignee(s): (std): NIPPON SODA CO ; NIPPON SODA CO LTD NIPPON SODA CO LTD ; TOSOH CORP

Assignee(s): NIPPON SODA CO LTD ; KUWAHARA RAITO

Inventor(s): (std): KUWABARA YORITO ; KUWAHARA RAITO ; KUWAHARA RAITO KUWAHARA RAITO ; RAITO KUWAHARA

Inventor(s): KUWAHARA RAITOKUWAHARA RAITO

Agent(s): FB RICE; FB RICE PTY LTD; BORDEN LADNER GERVAIS LLP; WIBBELMANN JOBST; OZAWA SEIJI; HIROTA MASANORI; FOLEY AND LARDNER LLP; SHIGA MASATAKE ET AL

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

Title: NOVEL COMPOUNDS FOR CONTROLLING ARTHROPODS

Abstract: in which the A1-A4, T, n, W, Q, R1 and B1-B4 radicals are each as defined in the description. Also described are processes for preparing the compounds of the formula (I). The inventive compounds are especially suitable for controlling insects, arachnids and nematodes in agriculture, and ectoparasites in veterinary medicine.

Classifications:

International (IPC 8-9): A01N A01N29/00

A01N43/36 A01N43/40 A01N43/54 A01N43/56

A01N43/72 A01N43/74 A01N43/80 A01P

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A61K31/40 A61K31/402 A61K31/415

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C07D207/08 C07D207/32 C07D207/33

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C07D261/06 C07D261/08 C07D401/04 C07D401/14 C07D403/04 C07D409/12

C07D413/04 (Advanced/Invention);

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C07D401/00 C07D403/00 (Core/Invention);

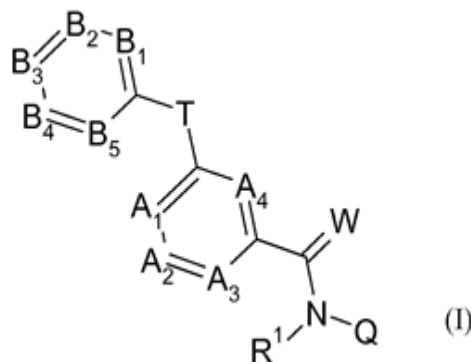
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CPC: A01N43/36 A01N43/54 A01N43/80 C07D261/08 C07D401/04 C07D403/04 C07D413/04

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US: 514/256 514/275

PatBase - W015067647_A1

**Family:**

Publication number	Publication date	Application number	Application date
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HR20181290 T1	20181019	HR20180001290	20180808
HR20181296 T1	20181005	HR20180001296	20180808
ID201709755 A	20170908	ID2016P0002998	20141105
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IL245353 A0	20160630	IL20140245353	20141105
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IN201617014488 A	20160831	IN201617014488	20160426
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JP2016536363 T2	20161124	JP20160551033T	20141105
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KR20160079097 A	20160705	KR20167014702	20141105
KR20160079851 A	20160706	KR20167014418	20141105
LT3066079 T	20180910	LT20140793178T	20141105
LT3066080 T	20180910	LT20140793179T	20141105
MX2016005859 A1	20160811	MX20160005859	20141105
MX2016005861 A1	20160713	MX20160005861	20141105
PE09052016 A1	20160924	PE20160000593	20141105
PE13432016 A1	20161210	PE20160000600	20141105
PH2016500829 A	20160613	PH20160500829	20160504
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PL3066079 T3	20181031	PL20140793178T	20141105
PL3066080 T3	20181031	PL20140793179T	20141105
RU2016122093 A	20171211	RU20160122093	20141105
RU2016122093 A3	20180731	RU20160122093	20141105
RU2016122094 A	20171211	RU20160122094	20141105
RU2016122094 A3	20180731	RU20160122094	20141105
SI3066079 T1	20180928	SI20140030823T	20141105
SI3066080 T1	20181030	SI20140030824T	20141105
TH166161 A	20170817	TH20161002555	20141105
TH174248 A	20180308	TH20161002561	20141105
TR201808466 T4	20180723	TR20180008466T	20141105
TR201808573 T4	20180723	TR20180008573T	20141105
TW201609638 A	20160316	TW20140138398	20141105
TW201609639 A	20160316	TW20140138400	20141105
TWI640507 B	20181111	TW20140138400	20141105
US2016278379 AA	20160929	US20140033415	20141105
US2016297765 AA	20161013	US20140033464	20141105
US9758485 BB	20170912	US20140033415	20141105
US10150737 BB	20181211	US20140033464	20141105
UY35819 A1	20150529	UY20140035819	20141105
WO15067646 A1	20150514	WO2014EP73794	20141105
WO15067647 A1	20150514	WO2014EP73795	20141105
ZA201603095 A	20171220	ZA20160003095	20160509
ZA201603127 A	20171025	ZA20160003127	20141105

Priority:

EP20130191610	20131105	EP20140181149	20140815	EP20140793178	20141105
EP20140793179	20141105	RU20160122093	20141105	RU20160122094	20141105
WO2014EP73795	20141105	WO2014EP73794	20141105		

Probable Assignee: BAYER AG**Assignee(s):** (std): BAYER AG ; BAYER CROPSCIENCE AG**Assignee(s):** BOHNKE NIELS ; GORGENS ULRICH ; ILG KERSTIN ; HAHN JULIA JOHANNA ; HARSCHNECK TOBIAS ; MAUE MICHAEL ; SCHWARZ HANS GEORG ; KOBBERLING JOHANNES ; HORSTMANN SEBASTIAN ; HALLENBACH WERNER ; VELTEN ROBERT ; TURBERG ANDREAS**Inventor(s):** (std): ANDREAS DR TURBERG ; ANDREAS TURBERG ; ANDREAS TURBERG DR ; BHNKE NIELS ; BOEHNKE DR NIELS ; BOEHNKE NIELS ; BOHNKE NIELS ; GOERGENS ULRICH ; GORGENS ULRICH ; GRGENS ULRICH ; HAHN JULIA JOHANNA ; HALLENBACH DR WERNER ; HALLENBACH WERNER ; HANH JULIA JOHANNA ; HANS DR SCHWARZ ; HANS GEORG DR SCHWARZ ; HANS GEORG SCHWARZ ; HANS GEORG SCHWARZ DR ; HARSCHNECK TOBIAS ; HORSTMANN SEBASTIAN ; KOBBERLING JOHANNES ; KOEBBERLING DR JOHANNES ; KOEBBERLING JOHANNES ; MAUE DR MICHAEL ; MAUE MICHAEL ; MICHAEL DR MAUE ; MICHAEL MAUE ; MICHAEL MAUE DR ; NIELS BOEHNKE ; NIELS BOEHNKE DR ; NIELS BOHNKE ; NIELS DR BHNKE ; ROBERT DR VELTEN ; ROBERT VELTEN ; ROBERT VELTEN DR ; ILG DR KERSTIN ; ILG KERSTIN ; JOHANNA HAHN DR JULIA ; JOHANNA HAHN JULIA ; JOHANNES DR KBBERLING ; JOHANNES KOBBERLING ; JOHANNES KOEBBERLING ; JOHANNES KOEBBERLING DR ; JULIA JOHANNA DR HAHN ; JULIA JOHANNA HAHN ; SCHWARZ HANS GEORG ; SEBASTIAN DR HORSTMANN ; SEBASTIAN HORSTMANN ; SEBASTIAN HORTSMANN DR ; TOBAS HARSCHNECK ; TOBIAS HARSCHNECK ; TURBERG ANDREAS ; TURGERG ANDREAS ; ULRICH GOERGENS ; ULRICH GORGENS ; ULRICH GRGENS ; VELTEN DR ROBERT ; VELTEN ROBERT ; WERNER DR HALLENBACH ; WERNER HALLENBACH ; WERNER HALLENBACH DR ; KLAUS DIETER MICHAEL MAUE ; KBBERLING JOHANNES ; KERSTIN DR ILG ; KERSTIN GEORG DR ILG ; KERSTIN ILG ; KERSTIN ILG DR ; K BBERLING JOHANNES ; HORSTMANN DR SEBASTIAN ; HARSCHNECK DR TOBIAS ; G RGENS ULRICH ; B HNKE NIELS ; SCHWARZ HAANS GEORG**Inventor(s):** HAHN JULIA JOHANNA L HORSTMANN SEBASTIAN ; KESTIN ILG ; SCHWARZ HANSGEORG ; TURBERG DR ANDREAS ; JULIA JOHANNA HANH ; SCHWARZ DR HANS GEORG ; HORTSMANN DR SEBASTIAN ; HAHN DR JULIA JOHANNA**Agent(s):** DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; FETHERSTONHAUGH AND CO; JOHANSSON AND LANGLOIS LTDA; CARLOS REINALDO OLARTE GARCIA; BIP PATENTS; CARPINTERO MARIO; CHINA PATENT AGENT HK LTD; ACHMAD FATCHY SH AFFA INTELLECTUAL PROPERTY RIGHTS; NAGAI HIROSHI; TOLGA CAYLAK; MCBEE MOORE WOODWARD VANIK IP LLC; MCBEE MOORE WOODWARD AND VANIK IP LLC**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

27) Family number: 49299421 (ZA200109179A)

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Title: CYCLO-IMINO DEPSIPEPTIDES AND THEIR UTILIZATION IN CONTROLLING ENDOPARASITES.

Abstract: The invention relates to cyclo-imino depsipeptides of formula (I), especially 24-membered cyclo-imino depsipeptides. The invention also relates to methods for their preparation and to their utilization in controlling endoparasites.

Classifications:

International (IPC 8-9): A61K31/395 A61K38/00 A61P33/00 A61P33/10 C07D273/00 C07D413/12 C07D413/14 C07D417/12 C07K11/00 (Advanced/Invention);
A61K38/00 A61P33/00 C07K11/00 (Advanced/Non-invention);
A61K38/00 A61P33/00 C07D273/00 C07D413/00 C07D417/00 C07K11/00 (Core/Invention)

International (IPC 1-7): A61K31/395 A61K38/00 A61K38/15 A61P33/00 A61P33/10 C07D273/00 C07D413/12 C07D413/14 C07D417/12 C07K11/00 C07K11/02

CPC: C07D273/00 C07D413/12 C07D413/14 C07D417/12

European: C07D273/00 C07D413/12 C07D413/14 C07D417/12

Family:

Publication number	Publication date	Application number	Application date
AU200052180 A1	20010102	AU20000052180	20000530
AU200052180 A5	20010102	AU20000052180	20000530
AU768501 B2	20031211	AU20000052180	20000530
BRPI0011498 A	20020402	BR2000PI11498	20000530
CA2374632 AA	20011207	CA20002374632	20000530
CN1355794 A	20020626	CN20008008822	20000530
DE19926620 A1	20001214	DE19991026620	19990611
EP1192142 A1	20020403	EP20000936833	20000530
HU0201592 AB	20020828	HU20020001592	20000530
JP2003502318 T2	20030121	JP20010503843T	20000530
WO0076985 A1	20001221	WO2000EP04935	20000530
ZA200109179 A	20030129	ZA20010009179	20011107

Priority:

DE19991026620 19990611 WO2000EP04935 20000530

Probable Assignee: BAYER AG

Assignee(s): (std): BONSE GERHARD ; HARDER ACHIM ; JESCHKE PETER ; VON SAMSON HIMMELSTJERNA GEORG ; BAYER AG

Assignee(s): BAYER AKTIENGESELLSCHAFT

Inventor(s): (std): BONSE GARHARD ; DR BONSE GERHARD ; DR HARDER ACHIM ; GEORG HARDER ACHIM VON SAMSON ; HARDER A ; JESCHKE P ; SAMSON HIMMELSTJERNA G VON ; VON SAMSON HIMMELSTJERNA GEORG ; SAMSON HIMMELSTJERNA GEORG VON ; JESCHKE PETER ; HIMMELSTJERNA GEORG VON SAMSON ; HARDER ACHIM DR ; HARDER ACHIM ; BONSE GERHARD

Inventor(s): ACHIM HARDER ; A HARDER ; GERHARD BONSE ; GEORG VON SAMSON HIMMELSTJERNA ; DR ACHIM HARDER ; PETER JESCHKE ; P JESCHKE ; HARDER ACHIM VON SAMSON HIMMEL ST JERNA GEORG ; G VON SAMSON HIMMELSTJERNA ; GARHARD BONSE

Agent(s): DAVIES COLLISON CAVE PTY LTD; FETHERSTONHAUGH AND CO

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

Title: NOVEL DEPSIPEPTIDE PF1442 SUBSTANCE AND PROCESS FOR PRODUCTION THEREOF

Abstract: The present invention provides: a compound represented by formula (1); a novel noxious organism control agent comprising the compound; and a process for producing the compound.

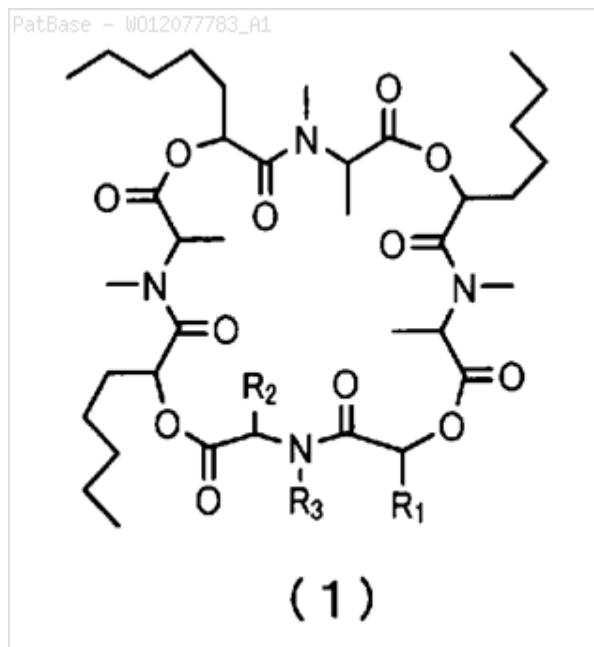
Classifications:

International (IPC 8-9): A01N43/72 A01P5/00 A01P7/00 A01P7/02 A61K31/395 A61K36/06 A61K38/15 A61P33/00 A61P33/02 A61P33/10 A61P33/12 A61P33/14

C07K11/02 (Advanced/Invention)

CPC: Y02A50/419 A61K31/395 A01N43/72 C07D273/00

European: A61K31/395



Family:

Publication number	Publication date	Application number	Application date
JP2014037351 A2	20140227	JP20100275299	20101210
TW201306746 A	20130216	TW20110145542	20111209
WO12077783 A1	20120614	WO2011JP78541	20111209

Priority:

JP20100275299 20101210

Probable Assignee: MEIJI SEIKA PHARMA CO LTD

Assignee(s): (std): MEIJI SEIKA PHARMA CO LTD ; NAKAMURA SATOSHI ; YAMAGUCHI SYOICHI ; SUZUKI EMIKO ; NOMURA MASAHIRO ; HORIKOSHI RYO ; ISHIHARA MAMORU

Assignee(s): MEIJI SEIKA PHARMA CO

Inventor(s): (std): HORIKOSHI AKIRA ; SUZUKI KEIKO ; YAMAGUCHI SHOICHI ; NAKAMURA SATORU ; HORIKOSHI RYO ; NAKAMURA SATOSHI ; ISHIHARA MAMORU ; NOMURA MASAHIRO ; SUZUKI EMIKO ; YAMAGUCHI SYOICHI

Agent(s): KATSUNUMA HIROHITO ET AL

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

Title: TRANSFORMANT PRODUCING SECONDARY METABOLITE MODIFIED WITH FUNCTIONAL GROUP AND NOVEL BIOSYNTHESIS GENES

Abstract: An objective of the present invention is to provide a transformant altered so as to produce a secondary metabolite in which a benzene ring of the secondary product is modified at the para-position with a functional group containing a nitrogen atom. A transformant according to the present invention is a transformant of an organism producing a secondary metabolite having a benzene ring skeleton without substitution at the para-position with a functional group containing a nitrogen atom, said transformant being transformed by introducing genes involved in a biosynthetic pathway from chorismic acid to p-aminophenylpyruvic acid, including a gene encoding an amino acid sequence (SEQ ID NO: 2) having 4-amino-4-deoxychorismic acid synthase activity, a gene encoding an amino acid sequence (SEQ ID NO: 4) having 4-amino-4-deoxychorismic acid mutase activity and a gene encoding an amino acid sequence (SEQ ID NO: 6) having 4-amino-4-deoxyphenylpyruvic acid dehydrogenase activity, so as to produce a secondary metabolite having a benzene ring skeleton substituted at the para-position with a functional group containing a nitrogen atom. Another objective of the present invention is to provide a novel gene involved in the biosynthetic pathway from chorismic acid to p-aminophenylpyruvic acid. A novel gene according to the present invention comprises genes encoding the amino acid sequences of SEQ ID NOs: 2, 4 and 6 or modified sequences thereof.

Classifications:

International (IPC 8-9): C07H21/04 C07K11/00 C07K11/02 C12N1/15 C12N1/20 C12N15/09 C12N15/52 C12N15/54 C12N15/60 C12N15/61 C12N5/10 C12N9/02 C12N9/10 C12N9/88 C12N9/90 C12P13/00 C12P21/02 C12R1/645 (Advanced/Invention); C12N15/09 C12R1/645 (Advanced/Non-invention); C07H21/00 C07K11/00 C12N1/20 C12N15/09 C12N15/52 C12N5/10 C12N9/02 C12N9/88 C12N9/90 C12P13/00 C12P21/02 (Core/Invention)

International (IPC 1-7): A61K38/15 C07K11/00 C07K11/02 C12N1/15 C12N15/09 C12N15/52 C12N15/54 C12N15/60 C12N15/61 C12N5/10 C12N9/02 C12N9/10 C12N9/88 C12N9/90 C12P13/00 C12P21/02 C12R1/645

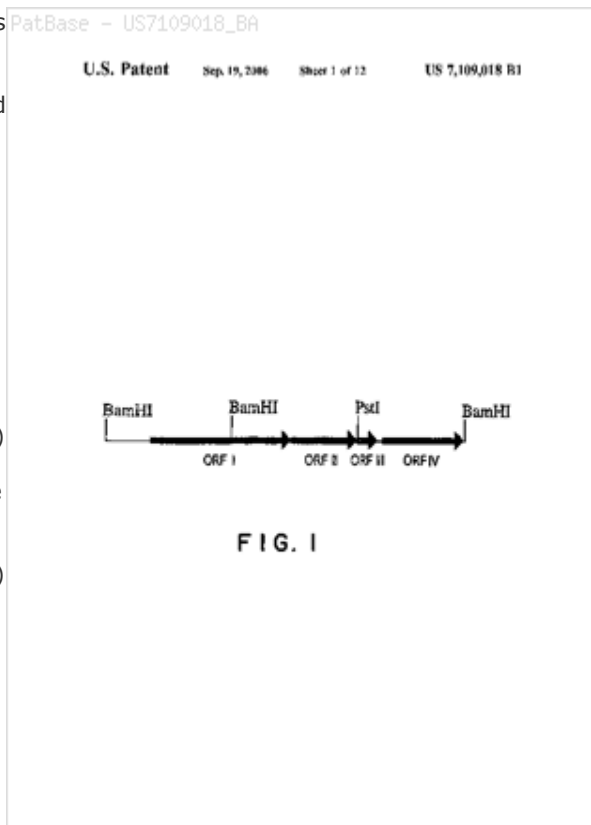
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European: C12N15/52 C12N9/00P C12N9/88 C12N9/90 C12P13/00C C12P13/02 M12N207/00

US: 435/252.3 435/320.1 530/350 536/23.1

Family:

Publication number	Publication date	Application number	Application date
AU200074496 A1	20010430	AU20000074496	20000929
AU200074496 A5	20010430	AU20000074496D	20000929
AU783603 B2	20051110	AU20000074496	20000929
CA2386255 AA	20020328	CA20002386255	20000929
CA2386255 C	20110208	CA20002386255	20000929
CN100489095 C	20090520	CN20008013681	20000929
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EP1223215 A4	20050615	EP20000962989	20000929
JP2001023542 A1	20030415	JP20010526925T	20000929
JP4156235 B1	20080924	JP20010526925T	20000929
JP4156235 B2	20080924	JP20010526925T	20000929
KR100679759 B1	20070207	KR20027004056	20000929
KR20020064788 A	20020809	KR20027004056	20000929
NO20021549 A	20020527	NO20020001549	20020402
NO20021549 A0	20020402	NO20020001549	20020402
NZ518551 A	20030926	NZ20000518551	20000929
US7109018 BA	20060919	US20020089514	20020329
WO0123542 A1	20010405	WO2000JP06783	20000929

Priority:

JP19990276314 19990929 WO2000JP06783 20000929 KR20027004056 20020328
WO2000JP06783 20020328

Probable Assignee: MEIJI SEIKA KAISHA LTD

Assignee(s): (std): MEIJI SEIKA KAISHA ; MEIJI SEIKA KAISHA LTD ; YANAI KOJI ; OKAKURA KAORU ; YASUDA SHOHEI ; WATANABE MANABU ; MIYAMOTO KOICHI ; MIDOH NAOKI ; MURAKAMI TAKESHI ; MEIJI SEIKA KK ; MEIJI SEIKA CO

Assignee(s): MEIJI SEIKA K K

Inventor(s): (std): KAORU OKAKURA ; KOICHI MIYAMOTO ; KOJI YANAI ; MANABU WATANABE ; MIDOH NAOKI ; MIYAMOTO KOICHI ; MURAKAMI TAKESHI ; NAOKI MIDOH ; SHOHEI YASUDA ; TAKESHI MURAKAMI ; YASUDA SHOHEI ; YANAI KOJI ; WATANABE MANABU ; OKAKURA KAORU

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD;
FETHERSTONHAUGH AND CO; WENDEROTH LIND AND PONACK LLP

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

Title: METHOD FOR PRODUCING PF1022

Abstract: PROBLEM TO BE SOLVED: To efficiently synthesize cyclic octadepsipeptide PF1022. SOLUTION: The PF1022 represented by the general formula (II) (wherein, R₁, R₂, R₃ and R₄ represent each a hydrocarbon group which may have the same or different substituent) are efficiently synthesized as follows: a ring opened substance of a compound represented by the general formula (I) (wherein, R₁, R₂, R₃ and R₄ represent each a hydrocarbon group which may have the same or different substituent) is subjected to a cyclization reaction in the presence of a condensation agent and the resultant substance is then N-methylated.

Classifications:

International (IPC 8-9): A61P33/00

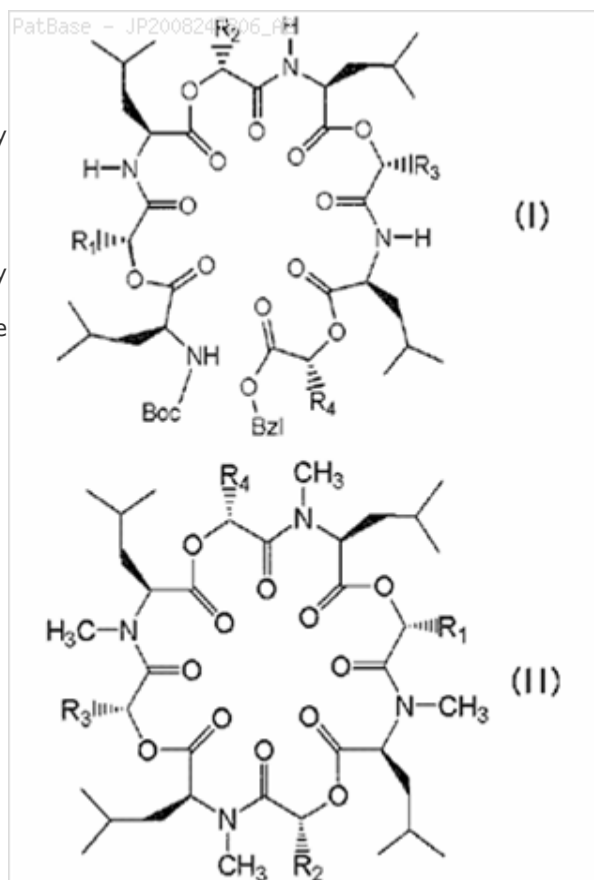
C07D273/00 (Advanced/Invention);

A61K31/395 A61P33/00

C07B61/00 (Advanced/Non-invention);

A61P33/00 C07D273/00 (Core/Invention);

A61K31/395 C07B61/00 (Core/Non-invention)



Family:

Publication number	Publication date	Application number	Application date
JP2008247806 A2	20081016	JP20070090946	20070330
JP4734656 B2	20110727	JP20070090946	20070330

Priority:

JP20070090946 20070330

Probable Assignee: UNIV GUNMA

Assignee(s): (std): NAT UNIV CORP GUNMA UNIV ; UNIV GUNMA

Assignee(s): GUNMA UNIV

Inventor(s): (std): KATAGAI RYOICHI ; NAKATSU SHINGO ; OKU HIROYUKI ; YAMADA KEIICHI

31) Family number: 50756600 (WO12028556A1)

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Title: MACROCYCLIC LACTONES AND THEIR USE AND THEIR COMBINATIONS WITH OTHER ACTIVE SUBSTANCES

Abstract: The invention relates to the use of the compounds Compound (I) Compound (II) for controlling endoparasitic filariae and gastrointestinal nematodes. Preferred is the use for controlling heartworm(Dirofilaria immitis).The invention furthermore relates to novel derivatives of the compounds (I) and (II).

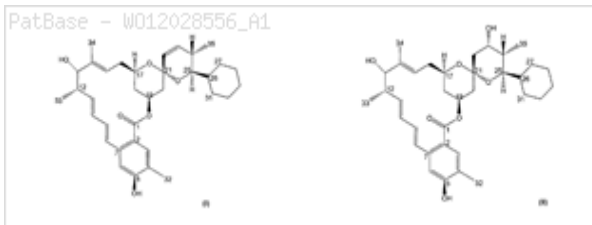
Classifications:

International (IPC 8-9): A01N43/72 A01N43/90

A61K31/35 A61K31/365 A61K31/366 A61K31/5377 A61K38/15 A61P33/00 A61P33/12 A61P33/14 C07D493/20 (Advanced/Invention)

CPC: A61K31/365 A61K31/5377 A61K45/06 A61K31/35 A01N43/90 A61K38/15 A61K2300/00 C07D493/20

European: A01N43/90 A61K31/35 A61K31/365 A61K31/5377 A61K38/15 A61K45/06 C07D493/20 K61K300/00



Family:

Publication number	Publication date	Application number	Application date
AR082787 AA	20130109	AR2011P103139	20110829
DE102010064245 A1	20120628	DE201010064245	20101228
UY33577 A1	20120330	UY20110033577	20110829
WO12028556 A1	20120308	WO2011EP64761	20110826

Priority:

EP20100174655 20100831 DE201010064245 20101228

Probable Assignee: BAYER AG

Assignee(s): (std): BAYER AG ; BAYER ANIMAL HEALTH GMBH ; HARDER ACHIM ; ROY WOLFGANG

Inventor(s): (std): HARDER ACHIM ; ROY WOLFGANG ; WOLFGANG ROY DR ; ACHIM HARDER DR

Inventor(s): ROY DR WOLFGANG ; HARDER DR ACHIM

Agent(s): BAYER ANIMAL HEALTH GMBH

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

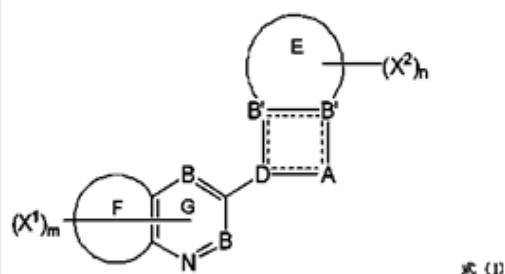
Title: NITROGEN-CONTAINING HETEROCYCLIC COMPOUND AND BACTERICIDE FOR AGRICULTURAL AND HORTICULTURAL USE

Abstract: PROBLEM TO BE SOLVED: To provide a bactericide for agricultural and horticultural use which has reliable effects and can be safely used.

SOLUTION: A bactericide for agricultural and horticultural use comprises a nitrogen-containing heterocycle compound represented by formula (I) or salt thereof as an active ingredient.

Classifications:

International (IPC 8-9): A01N43/42 A01N43/72 A01N43/84 A01N43/86 A01P3/00 C07D215/38 C07D401/04 C07D405/04 C07D413/04 C07D417/04 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
JP2014221747 A2	20141127	JP20130102352	20130514

Priority:

JP20130102352 20130514

Probable Assignee: NIPPON SODA CO

Assignee(s): (std): NIPPON SODA CO

Assignee(s): NIPPON SODA CO LTD

Inventor(s): (std): SHIBAYAMA KOTARO ; KUWABARA YORITO ; INAGAKI JUN