

INFORME DE BÚSQUEDA DE PATENTES				
N° de solicitud: NC2016/0000502				
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		Búsqueda por estructura fungicide AND fluxapyroxad AND synerg+ AND /PD<20131231		
CLASIFICACIONES UTILIZADAS PARA LA BÚSQUEDA		CIP: A01N 43/54; A01N 37/40; A01N 37/50		
		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	NC2016/0000472	29/07/2016		A
	NC2016/0000520	01/08/2016		P
ISR EPO SIPO JPO	US2011263627	27/10/2011	1 - 5, 10 – 13 (Párr. 0043, 0044)	Y
ISR EPO	US2011034493	10/02/2011		A
ISR	US2011053891	03/03/2011		A
	US4009272	27/02/1977		A
	WO2014105845	03/07/2014		P
JPO	US2011082160	07/04/2011		A
	WO2010145999	23/12/2010		A
EPO	WO2013025795	21/02/2013		A
	Rheinheimer (2008)	05/02/2008		A
	Sierotzki (2013)	01/09/2013		A
Patbase STN	US2015183749	02/07/2015		P
	US2015181874	02/07/2015		P
STN	WO2010139653	09/12/2010	1 - 5, 10 – 13 (tabla U1)	Y
EPOQUENET	CN102771502	14/11/2012		A
	DE102011017670	03/11/2011		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.		J. Rheinheimer ED - W. Kramer et al.: "Modern Crop Protection Compounds, Succinate Dehydrogenase Inhibitors", 5 Febrero 2008, Modern Crop Protection Compounds, Wiley-VCH, Online, Pag 496-505. H. Sierotzki et al.: "A Review of Current Knowledge of Resistance Aspects for the Next-Generation Succinate Dehydrogenase Inhibitor
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Fungicides", Phytopathology, American Phytopathological Society, vol. 103, 1 Septiembre 2013, Pag 880-887.

Patani GA, LaVoie EJ. Bioisosterism: A Rational Approach in Drug Design. Chem. Rev. 1996, 96, 3147-3176.

Fecha del reporte de búsqueda:

25/09/2018

Internal - Current DB: EPODOC - Search Recording ON

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The invention discloses a sterilizing composition containing js399-19 and an amide **fungicide**. The composition contains js399-19 and a second effective active ingredient amide **fungicide** selected from silthiopham, in a ratio by weight of the first and second active ingredients is 1:20-20:1, preferably 1:10-10:1. The composition is a dispersible granule, wettable powder, suspending agents, flowable concentrates for seed coating, seed treatment. The sterilizing composition is reasonable in components, good in sterilizing effect, and is not overlapped by components. Compared with current single preparation, besides the remarkable synergistic effect, has no pollution to crops, is good in safety, and meets the safety requirements. The composition containing js399-19 and the amide **fungicide** provided by the invention has remarkable prevention effect.

2/2 © EPODOC / EPO

PN - DE102011017670 A1 20111103

PR - EP20100161464 20100429

AP - DE2011017670 20110428

DT - *: Rep

CCI - A01N43/56

CLC - A01N43/56, A01N43/82, A01N2300/00, INV

PA - BASF SE [DE]

TI - Composition, useful e.g. for combating phytopathogenic harmful fungi, e.g. soil-borne pathogen, comprising dimethoxy-4-cyclopropyl-1,2,3-thiadiazol-5-carboxanilide and **fluxapyroxad**

AB - Composition comprises 2',4'-dimethoxy-4-cyclopropyl-1,2,3-thiadiazol-5-carboxanilide (A) and (B) : **Fungicide**; Plant Protectant. MECHANISM OF ACTION : None given.

[SS 18]

Help F2 F3 F4 F5 F6 F7 F8 F9

History - Internal

Database	SS	Status	Results	Query
EPODOC	1		15547	FUNGICIDE
	2		95644	SYNERG+
	3		539	BOSCALID
	4		89664599	/PD<20131231
	5		10664	SULFONAMIDE
	6		0	1 AND 2 AND 3 AND 4 AND 5
	7		45	1 AND 2 AND 3 AND 4
	8		0	1 AND 2 AND 4 AND 5
	9		212	FLUXAPYROXAD
	10		0	8 AND 9
	11		160485	INHIBITOR
	12		0	7 AND 11
	13		9189	SUCCINATE
	14		0	13 AND 7
	15		24804	ADJUVANT
	16		0	15 AND 7
	17		2	1 AND 2 AND 4 AND 9

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QUERIES (2) STRUCTURES (1) SAVED (0)

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L1 STR1/EXA,FULL
CPlus, REGISTRY
1

L2 refx (1616664-98-2/m and STR1/SSS,FULL)
CPlus, REGISTRY
14

Filters: Apply Clear

Document type

Inventor

Language

Patent Assignee

Patent Country, Basic

Patent Kind Code, Basic

Priority Country, Basic

Publication Year

Year	#	%
2018	12	85,7%
2017	9	64,3%
2016	4	28,6%
2015	4	28,6%
2014	2	14,3%

Publication Year, Basic

Role

CA Section Code

Get Substances

View: Hit Sort by: Accession Number Display: 25

1. Patent 2018 Composition for controlling harmful microorganisms comprising 1-(phenoxy-pyridinyl)-2-(1,2,4-triazol-1-yl)-ethanol derivatives

Goertz, Andreas • Meissner, Ruth • Dahmen, Peter • Ducrot, Virginiepascale • Coqueron, Pierre-Yves More

Bayer Aktiengesellschaft, Germany (DE) More

PCT Int. Appl., pp. 190 In English

2018:1511254 (DN 169:279811)

Substance Indexing

1616664-98-2D, 5-Fluoro-4-imino-3-methyl-1-[(4-methylphenyl)sulfonyl]-3,4-dihydropyrimidin-2(1H)-one, mixts. contg.

Notes: comprs. for controlling harmful microorganisms comprising phenoxy-pyridinyl-triazolylethanol derivs. and their prepn.

Roles: Agricultural Use (AGR), Biological Study (BIOL), Uses (USES)

2. Patent 2018 Fungicidal phenylamidine compound combinations for controlling phytopathogenic fungi of plants

Montagne, Cyril • Hillebrand, Stefan • Es-Sayed, Mazen • Goertz, Andreas • Wachendorf-Neumann, Ulrike

Bayer CropScience Aktiengesellschaft, Germany (DE) More

PCT Int. Appl., pp. 130 In English

2018:1164957 (DN 169:100695)

Substance Indexing

1616664-98-2D, 5-Fluoro-4-imino-3-methyl-1-[(4-methylphenyl)sulfonyl]-3,4-dihydropyrimidin-2(1H)-one, mixts. contg.

Selected: 0 Total: 0

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5. ☒ The following reference documents are cited in this Office Action (the serial number(s) of which will be used in follow-on examination)

No.	Document number or Document title	publication date (or application date of the conflicting application)
1	CN102946730A	20130227

Minimum documentation searched (classification system followed by classification symbols)
IPC(B) - A01N 43/54; A01P 3/00; A61K 31/513; C07D 239/10, 239/47 (2015.01)
CPC - A01N 43/54; A61K 31/513; C07D 239/10, 239/47 (2015.01) (keyword delimited)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC - 514/274; 544/317 (keyword delimited)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Orbit, Google Patents, STN, Google, PubChem, SureChem
Search terms used: dihydropyrimidin, tosyl, imino.

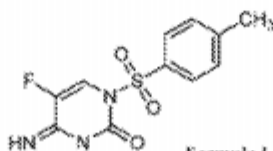
C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2011/0263627 A1 (BOEBEL et al) 27 October 2011 (27.10.2011) entire document	1-19
A	US 2011/0034493 A1 (BOEBEL et al) 10 February 2011 (10.02.2011) entire document	1-19
A	US 2011/0053891 A1 (BOEBEL et al) 03 March 2011 (03.03.2011) entire document	1-19
A	US 4,009,272 A (KONIG et al) 22 February 1977 (22.02.1977) entire document	1-19
X,P	WO 2014/105845 A1 (DOW AGROSCIENCES LLC) 03 July 2014 (03.07.2014) entire document	1-19

European Search Report wherein the most relevant passages thereof are cited. The numbering will be adhered to during the rest of the procedure:

- | | |
|-----------|---|
| D1 | WO 2011/137002 A1 (Dow Agrosciences LLC [US]) 3 November 2011 |
| D2 | WO 2011/017547 A1 (Dow Agrosciences LLC [US]) 10 February 2011 |
| D3 | WO 2013/025765 A2 (Procter & Gamble [US]) 21 February 2013 |
| D4 | J. Rheinheimer ED - W. Krämer <i>et al.</i> : "Modern Crop Protection Compounds, Succinate Dehydrogenase Inhibitors", 5 February 2008, Modern Crop Protection Compounds, Wiley-VCH, Online, Pages 496-505, XP002573429, ISBN: 978-3-527-61958-0 |
| D5 | H. Sierotzki <i>et al.</i> : "A Review of Current Knowledge of Resistance Aspects for the Next-Generation Succinate Dehydrogenase Inhibitor Fungicides", Phytopathology, American Phytopathological Society, vol. 103, 1 September 2013, pages 880-887, XP009176200, ISSN: 0031-949X, DOI: 10.1094/PHYTO-01-13-0009-RVW |

The patent application relates to a synergistic fungicidal mixture comprising a fungicidally effective amount of the 5-fluoropyrimidinone of formula I and at least one



Search page
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Search type:

Identity
Similarity
Substructure

Identity search

Identity type:	Description
☐ Narrow	Returns chemical structures with same distribution of electrons, atom isotopes, stereochemistry and connected fragments (if specified).
☒ Broad	Returns chemical structures independent of distribution of electrons, atom isotopes, stereochemistry and connected fragments (if specified).
☐ Tautomer	Returns chemical structures that are tautomers of the provided chemical structure.

Return structures:

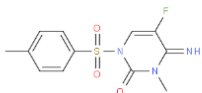
☐ Found in claims
 ☒ All

Country: All

Number of structures to return: 50

▼

Number of structures found: 1

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#	Structure	Details	Publications
1) ☒		5-fluoro-4-imino-3-methyl-1-tosyl-3,4-dihydropyrimidin-2(1H)-one IUPAC Name: 5-fluoro-4-imino-3-methyl-1-(4-methylphenyl)sulfonylpyrimidin-2-one Molecular Weight: 297.305 g/mol InChIKey: KVVHRPLZWABERU-UHFFFAOYSA-N SMILES: <chem>FC=1C(N(C(N(C1)S(=O)(=O)C1=CC=C(C(C=C1)C)=O)C)=N</chem> Formula: C ₁₂ H ₁₂ FN ₃ O ₃ S 130 patent publications found View in PatBase Stats Analytics Links: PubChem ChemSpider Wikipedia Save MOL	130



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Command Reference

Bibliographic data

#	Search query	Results	Options
1	[Chemical Explorer]: Selected structures (1)	73	View Browse Hits Optimise more...

Título

SINÉRGIC

Fecha de presentación

desde

Para buscar varias palabras clave, use las combinaciones de AND, OR y NOT. Los soportes pueden ser usados para construir búsquedas más complejas, por ejemplo (pintura * O pigmento) NO (zinc o plomo). 255 caracteres como máximo

Fecha de orden de publicación

desde

hasta

Fecha de prioridad

desde

hasta

Fecha de Concesión

desde

hasta

País de prioridad

Fecha de Vencimiento para Anualidad

desde

hasta

Vigencia

desde

hasta

Fecha de publicación

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hasta

Fecha de entrada en fase nacional

desde

hasta

Estado(s)

Seleccionar

Clasificación IPC

Seleccionar

Sector Tecnológico

Texto IPC

Ver la clasificación completa del IPC

Tipo de solicitud

Tipo de Patente

Solicitante/Titular de la patente

Número de identificación

Nombre(s)

Apellido(s)

10025097

ADAMA MAKHTESHIM LTD.

Suprimir

1013238

ADAMA MAKHTESHIM LTD.

Suprimir

983092

ADAMA MAKHTESHIM LTD.

Suprimir

Mostrar / Ocultar columnas

Apoderado

Buscar

Con/Sin Oposición

Número de Resolución

Buscar

Limpiar

Búsqueda sencilla

3 Casos asociados

Expediente No.	Título	Figura Característica	Fecha de presentación	Estado(s)	Titular
 NC2016/0000472	MEZCLAS FUNGICIDAS SINÉRGICAS PARA EL CONTROL FÚNGICO EN CEREALES		29 jul 2016	Requerimiento de Examen de Fondo	ADAMA MAKHTESHIM LTD.
 NC2016/0000502	MEZCLAS FUNGICIDAS SINÉRGICAS PARA EL CONTROL FÚNGICO EN CEREALES		29 jul 2016	Bajo Examen de Fondo	ADAMA MAKHTESHIM LTD.
 NC2016/0000520	MEZCLAS FUNGICIDAS SINÉRGICAS PARA EL CONTROL FÚNGICO EN CEREALES		01 ago 2016	Requerimiento de Examen de Fondo	ADAMA MAKHTESHIM LTD.

Seleccionar todo - Ninguno

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Molecular Weight: 297.384 g/mol

InChI Key: KVUHRPLZWABERU-UHFFFAOYSA-N

PUBCHEM > COMPOUND > KVUHRPLZWABERU-UHFFFAOYSA-N

Modify Date: 2018-09-22; Create Date: 2015-02-13

Contents



- 1 2D Structure
- 2 3D Conformer
- 3 Names and Identifiers
 - 3.1 Computed Descriptors
 - 3.1.1 IUPAC Name
 - 3.1.2 InChI
 - 3.1.3 InChI Key
 - 3.1.4 Canonical SMILES
 - 3.2 Molecular Formula
 - 3.3 Synonyms
 - 3.3.1 Depositor-Supplied Synonyms
- 4 Chemical and Physical Properties

1 2D Structure



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