

INFORME DE BÚSQUEDA DE PATENTES PARA EL RADICADO N° 13-248567-00005-0000						
CRITERIOS PARA LA BÚSQUEDA (anexar pantallazo o reporte en PDF, junto con los boleanos utilizados)						
Palabras clave utilizadas		Cyclic peptides, cyclised peptides, antitumoral activity, inhibit celular proliferation, antineoplastic and angiogenic activities, <i>Serratia marcescens</i> .				
CLASIFICACIONES INTERNACIONALES UTILIZADAS PARA LA BÚSQUEDA		A61K 038/008, A61K 038/010, C07K 007/006, C07K 007/008				
BASES DE DATOS CONSULTADAS.						
Patentscope		Google/patents				
NCBI		ScienceDirect				
Espacenet		PatBase				
Lens						
INFORMES DE EXÁMENES REALIZADOS EN OTRAS OFICINAS (documentos patentes, literatura no patente etc...)						
Oficina	Fecha del examen o de reporte de búsqueda de documentos	Anterioridades encontradas para el examen o reportados en el examen de búsqueda(relacionarlos todos)	Reiv. afectadas	RELEVANCIA (requisito que afecta)	FUERON TENIDOS EN CUENTA PARA EL EXAMEN EN LA OFICINA COLOMBIANA	
					SI	NO
EPO	04/10/2012	WO2006005268	1 - 26	Nivel inventivo	X	
		WO2007022557	1 - 26	Documento tipo A		X
DOCUMENTOS ADICIONALES ENCONTRADOS POR EL EXAMINADOR DE ACUERDO A LOS CRITERIOS DE BÚSQUEDA.						
US5112944						
US5858971						
US5962409						
US5672584						
US6025466						
US6333308						
US6656905						
US2005159346						
US2013172270						
US2014112976						
RUCKLE T <i>et al.</i> , 1999. Tetrahedron, vol. 55, pag. 11281-11288. Pseudo-prolines in cyclic peptides: Conformational stabilisation of cyclo[Pro-Thr($\psi^{Me, Me}$ pro)-Pro]						
BÚSQUEDA DE SECUENCIAS						
Número de depósito / patente y N° de secuencia % de identidad						
SEQ ID NO (de la solicitud)	NCBI	The Lens	EMBL-EBI	DDJB	Genome Quest	
SEQ ID NO: 2		Secuencia de aminoácidos de serralisinas SEQ ID NO: 1 de WO2006005268 presenta un 90% de identidad y 100% de cobertura.				
		Secuencia de aminoácidos de				

SEQ ID NO: 3		serralisinas SEQ ID NO: 1 de WO2006005268 presenta un 90% de identidad y 100% de cobertura			
SEQ ID NO: 18		Secuencia de aminoácidos de serralisinas SEQ ID NO: 2 de WO2006005268 presenta un 95% de identidad y 100% de cobertura.			

Búsqueda en PatBase

32) Family number: 30276933 (US6656905B) © PatBase

Title: **CYCLIC** TETRAPEPTIDE COMPOUND AND USE THEREOF

Abstract: Source: US6656905B A **cyclic** tetrapeptide compound and use thereof. Especially, a compound WF27082, a process for production of the compound by culturing, in a nutrient medium, a WF27082-producing strain belonging to Acremonium and recovering the compound from a culture broth, a pharmaceutical composition containing the compound as an active ingredient, in association with a pharmaceutically acceptable, substantially non-toxic carrier or excipient, the compound for use as a medicament, a use of the compound for manufacture of a medicament for inhibiting histone deacetylase, a use of the compound for manufacture of a medicament for treating or preventing inflammatory disorders, diabetes, diabetic complications, homozygous thalassemia, fibrosis, cirrhosis, acute promyelocytic leukaemia (APL), protozoal infections, organ transplant rejections, autoimmune diseases, or tumors, a use of histone deacetylase inhibitors as an immunosuppressant or an antitumor agent, and a use of histone deacetylase inhibitors for manufacture of a medicament for treating or preventing organ transplant rejections, autoimmune diseases or tumors are described.

Classifications:

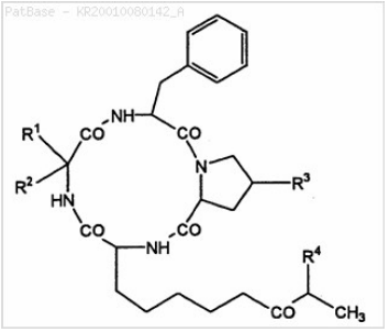
International (IPC 8-9): A61K38/07 A61K38/12 A61K38/55 A61P1/16 A61P29/00 A61P3/10 A61P33/00 A61P33/02 A61P35/00 A61P35/02 A61P37/00 A61P37/06 A61P43/00 C07K5/00 C07K5/12 C12N1/14 C12N9/99 C12P21/02 C12P21/04 (Advanced/Invention); A61K38/00 C07K5/12 (Advanced/Non-invention); A61K38/12 A61K38/55 A61P1/00 A61P29/00 A61P3/00 A61P33/00 A61P35/00 A61P37/00 A61P43/00 C07K5/00 C12N1/14 C12N9/99 C12P21/02 (Core/Invention); A61K38/00 (Core/Non-invention); C07K (Subclass/Invention)

International (IPC 1-7): A61K38/07 A61K38/12 A61K38/55 A61P1/16 A61P29/00 A61P3/10 A61P33/00 A61P33/02 A61P35/00 A61P35/02 A61P37/00 A61P37/06 A61P43/00 A61P5/48 A61P7/00 C07K C07K5/00 C07K5/10 C07K5/12 C12N1/14 C12N9/99 C12P21/02 C12P21/04 C12R1/645

CPC: A61K38/12 C07K5/126

European: A61K38/12 C07K5/12B K61K38/00 M07K209/00

US: 514/1.1 514/11 514/13.5 514/18 514/19.2 514/20.6 514/21.1 514/4.4 514/6.9 514/9 530/317 530/321 530/330



49) Family number: 31830110 (US2005159346A) © PatBase

Title: **CYCLIC PEPTIDE** ANTITUMOR AGENTS

Abstract: Source: US2005159346A **Cyclic peptide** compounds and derivatives thereof having antitumor activity as shown by treatment of human melanoma, pancreatic, breast, prostate cancer cells.

Classifications:

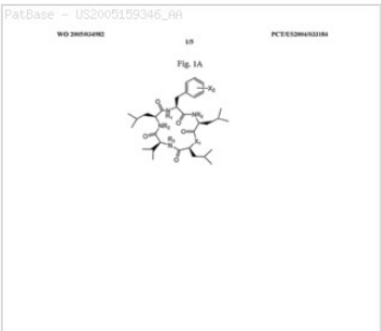
International (IPC 8-9): A61K38/00 A61K38/12 A61P35/00 C07K5/12 C07K7/64 (Advanced/Invention); C07K7/00 (Core/Invention)

International (IPC 1-7): A61K38/12 C07K5/12 C07K7/64

CPC: A61K38/12 C07K7/64

European: A61K38/12 C07K7/64

US: 514/1.1 514/19.3 514/19.4 514/19.400P 514/19.5 514/19.9 514/19.900P 514/21.1 514/9 530/317



66) Family number: 49151510 (US2013172270A)

© PatBase

Title: RGD-CONTAINING **CYCLIC PEPTIDES**

Abstract: Source: US2013172270A The present invention is drawn to **cyclic** RGD **peptides** linked via a disulfide bond, where the terminal cysteines are preferably in the D configuration. These **peptides** target alphavbeta3 integrin on tumor cells and neovasculatures and function as targeting agents for tumor diagnostic imaging and therapy. Compared with the commonly used RGD ligands, compounds of the present invention have improved targeting efficacy and lower nonspecific binding to normal organs. Moreover, the compounds of the present invention can be functionalized to conjugate imaging payload without decreasing binding strength.

Classifications:

International (IPC 8-9): A61K38/04 A61K38/12 C07K14/78 C07K7/50 C07K7/64 (Advanced/Invention);

A61K38/00 (Advanced/Non-invention)

CPC: C07K7/64 A61K38/00 C07K14/78

European: K61K38/00

US: 435/375 514/21.1 530/317



67) Family number: 51991950 (US2014112976A)

© PatBase

Title: **CYCLIC PEPTIDES** WITH AN ANTI-NEOPLASIC AND ANTI-ANGIOGENIC ACTIVITY

Abstract: Source: US2014112976A The present invention comprises **cyclic peptides** bearing antitumor and antiangiogenic properties, as well as their corresponding pharmaceutically-suitable salts and also pharmaceutical compositions containing it. These **cyclic peptides** are used to prepare medicines for human and/or veterinary therapeutics, and additionally in diagnosis. These compounds can be used to detect, monitor and/or control a range of cellular proliferation-related disorders, such as oncological diseases and undesired angiogenesis. Moreover, they can be included as part of controlled release systems, and used more precisely in the field of nanobiotechnology, either because of their self-assembly capacity or as part of other systems.

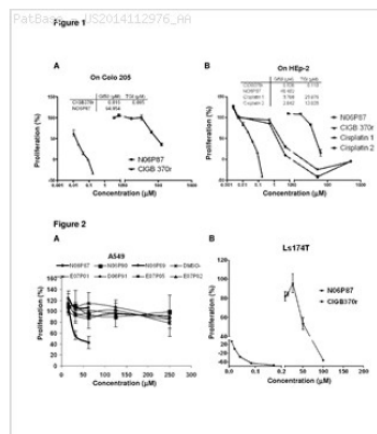
Classifications:

International (IPC 8-9): A61K31/4025 A61K38/00 A61K38/08 A61K38/10 A61K38/12 A61K39/00 A61K45/06 A61K49/00 A61K51/00 A61K9/127 A61K9/14 A61P35/00 A61P43/00 A61P9/00 C07K11/02 C07K14/24 C07K4/00 C07K7/06 C07K7/08 C07K7/50 C07K7/64 (Advanced/Invention)

CPC: A61K38/12 C07K7/64 A61K31/4025 A61K45/06 A61K38/00 C07K7/06 C07K7/08 A61K9/0019 A61K9/127 A61K9/5031 A61K47/48215

European: C07K7/06 C07K7/08

US: 424/450 424/489 514/19.9 530/321



15) Family number: 20412873 (US5962409A)

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Title: Somatostatin-analogous **cyclic peptides** with inhibitory activity on growth hormone

Abstract: Source: US5962409A PCT No. PCT/EP96/03149 Sec. 371 Date Jan. 14, 1998 Sec. 102(e) Date Jan. 14, 1998 PCT Filed Jul. 17, 1996 PCT Pub. No. WO97/05167 PCT Pub. Date Feb. 13, 1997Cyclic **peptides** of general formula (I), wherein the groups are as described in the disclosure, having inhibitory activity on growth hormone. The **peptides** of formula (I) have also anticancer activity.

Classifications:

International (IPC 8-9): A61K31/00 A61K38/00 A61K38/08 A61K38/31 A61K51/00 A61K51/08 A61P35/00 A61P5/00 A61P5/08 C07K14/655 C07K7/06 (Advanced/Invention);

A61K31/00 A61K38/00 A61K38/31 A61K51/00 A61P35/00 A61P5/00 C07K14/655

G01N33/68 (Advanced/Non-invention);

A61K31/00 A61K38/00 A61K51/00 A61P35/00 A61P5/00 C07K14/435 (Core/Invention);

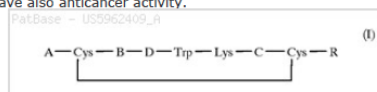
A61K38/00 (Core/Non-invention)

International (IPC 1-7): A61K A61K31/00 A61K38/00 A61K38/08 A61K38/31 A61K51/00 A61K51/08 C07K C07K105/00 C07K14/655 C07K7/06 C07K7/64 G01N G01N33/68

CPC: C07K14/6555 A61K38/00

European: C07K14/655A K61K38/00 M07K203/00

US: 424/1.69 514/11 514/11.1 514/19.4 514/9 530/311 530/317



18) Family number: 10313030 (US6025466A)

© PatBase

Title: **Cyclic** hepta-**peptide** derivative from colonial ascidians, Lissoclinum sp.

Abstract: Source: US6025466A PCT No. PCT/G897/01088 Sec. 371 Date Feb. 19, 1999 Sec. 102(e) Date Feb. 19, 1999 PCT Filed Apr. 18, 1997 PCT Pub. No. WO97/39025 PCT Pub. Date Oct. 23, 1997A new **cyclic** heptapeptide, trunkamide A, with antitumor activity has been isolated from a Lissoclinum sp. collected on the Great Barrier Reef, Australia. The structure was determined to be of formula (I):

Classifications:

International (IPC 8-9): A61K31/00 A61K38/00 A61K38/08 A61K38/12 A61P35/00 C07K7/06 C07K7/56 (Advanced/Invention);

A61K31/00 A61K38/00 A61P35/00 (Advanced/Non-invention);

A61K31/00 A61K38/00 A61P35/00 C07K7/00 (Core/Invention);

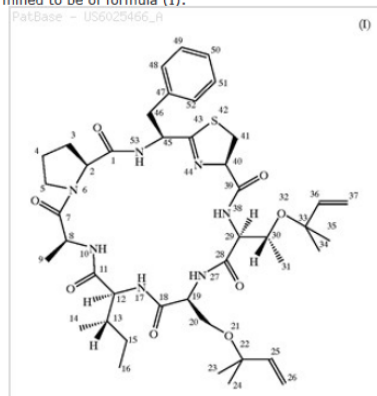
A61K38/00 (Core/Non-invention)

International (IPC 1-7): A61K38/00 A61K38/08 A61K38/12 A61P35/00 C07K7/06 C07K7/56 C07K7/64

CPC: A61K38/00 C07K7/06 C07K7/56

European: C07K7/06 C07K7/56 K61K38/00

US: 514/11 514/16 514/21 530/317 530/329



14) Family number: 8648954 (US5858971A)

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Title: **Cyclic peptide** and method of making same by culturing a strain of actinomyces S. nobilis

Abstract: Source: US5858971A PCT No. PCT/JP95/02187 Sec. 371 Date Apr. 22, 1997 Sec. 102(e) Date Apr. 22, 1997 PCT Filed Oct. 25, 1994 PCT Pub. No. WO96/12732 PCT Pub. Date May 2, 1996The present invention relates to a **peptide** represented by formula [I]. The **peptide** of the present invention exhibits allergic and anallergic inflammation inhibitory, antibacterial, antitumor and wound-healing effects, and it is useful as an inflammation inhibitor, immunosuppressive agent, antibacterial agent, antitumor agent, wound-healing agent, antiulcer agent, and so forth. Accordingly, the present invention also provides therapeutic agents having the above-mentioned pharmacological effects. [I]

Classifications:

International (IPC 8-9): A61K38/00 A61K38/08 A61P29/00 A61P31/04 A61P35/00 A61P37/02 A61P37/08 A61P43/00 C07K1/16 C07K1/20 C07K11/00 C07K14/195 C07K14/41 C07K7/06 C07K7/52 C12P21/02 C12P21/04 (Advanced/Invention);

A61K38/00 A61K38/08 A61P31/04 A61P35/00 A61P37/02 C07K7/06 C12P21/02 C12P21/04 C12R1/465 (Advanced/Non-invention);

A61K38/00 A61P29/00 A61P31/00 A61P35/00 A61P37/00 A61P43/00 C07K1/00 C07K11/00 C07K14/195 C07K14/41 C07K7/00 C12P21/02 C12P21/04 (Core/Invention);

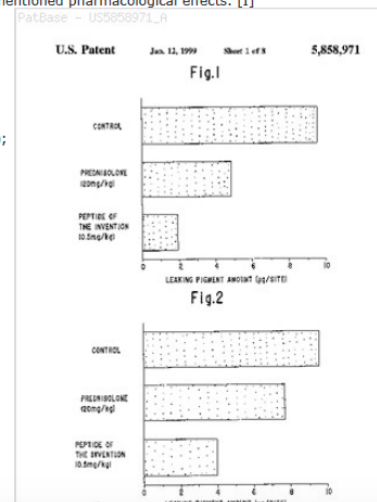
A61P31/00 A61P35/00 A61P37/00 C07K7/00 C12P21/02 C12P21/04 (Core/Non-invention)

International (IPC 1-7): A61K31/00 A61K38/00 A61K38/08 A61K38/12 A61P31/04 A61P35/00 A61P37/02 A61P37/08 C07K11/00 C07K11/02 C07K7/06 C07K7/52 C12P21/02 C12P21/04 C12R1/465

CPC: C07K7/06 A61K38/00

European: C07K7/06 K61K38/00 M07K209/00

US: 435/71.1 514/12.2 514/13.2 514/21.1 514/21.92 514/9 514/9.4 530/317



4) Family number: 5017762 (US5112944A)

© PatBase

Title: **CYCLIC** TETRAPEPTIDE AND PROCESS FOR PREPARING THE SAME

Abstract: Source: US5112944A A **cyclic** tetrapeptide having the formula (I): ##STR1## wherein n is 4 or 3 and a process for preparing the above **cyclic** tetrapeptide. The **cyclic** tetrapeptide of the present invention inhibits transformation of cells caused by oncogenes and possesses activities for recovering to a normal cell and for inhibiting proliferation of carcinoma cells. Therefore, the **cyclic** tetrapeptide of the present invention is useful for an active ingredient of an antitumor agent.

Classifications:

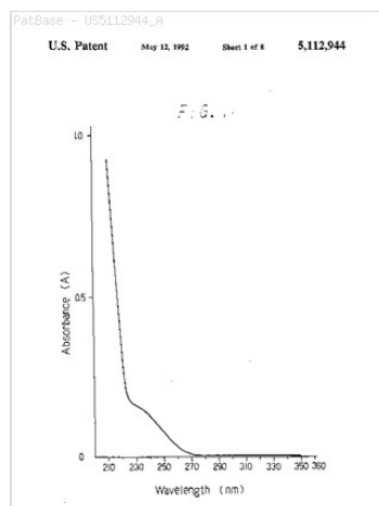
International (IPC 8-9): A61K38/00 A61P35/00 C07K14/37 C07K14/41 C07K5/12 C12P21/04 (Advanced/Invention); C12R1/645 (Advanced/Non-invention); A61K38/00 A61P35/00 C07K14/37 C07K14/41 C07K5/00 C12P21/04 (Core/Invention)

International (IPC 1-7): A61K37/02 C07K5/12 C12P21/04 C12R1/645

CPC: Y10S930/27 C07K5/126

European: C07K5/12B M07K209/00

US: 435/71.1 530/321 930/270 930/DIG.781



70) Family number: 57406425 (BR102012026967A)

© PatBase

Title: PEPTÍDEO CICLICO COM POTENCIAL AGRÍCOLA E FARMACOLÓGICO **Peptide** CYCLICAL WITH POTENTIAL AGRICULTURAL AND pharmacologic (Machine translation)

Abstract: Source: BR102012026967A 1 RESUMO DA PATENTE DE INVENÇÃO "PEPTÍDEO CICLICO COM POTENCIAL AGRÍCOLA E FARMACOLÓGICO" A presente patente de invenção descreve um peptídeo cíclico, parigidina-br1, c (e acordo com a SEQ ID 1, obtido a partir de extratos vegetais, seu uso como 5 inseticida e sua atividade **antitumoral**. Listagem de Sequências I. INFORMACOES GERAIS a) Requerente: Michelle Flaviane Soares Pinto b) Endereço: SGAN 916, módulo B, avenida W5, Brasília/DF II. Título da Invenção: PEPTÍDEO CICLICO COM POTENCIAL AGRÍCOLA E FARMACOLÓGICO III. Número de sequência: 1 uma IV. Formato para leitura em computador: a) Meio utilizado: b) Computador utilizado: c) Sistema operacional: INFORMACOES GERAIS DA SEQUENCIA Numero identificador da sequência: SEQ ID 1 I. Característica da sequência: a) Tamanho: 32 aminoácidos b) Tipo: aminoácidos c) Topologia: cíclica II. Tipo de molécula: peptídeo cíclico (ciclotídeo) (II). Fonte imediata: Sequência de peptídeo extraída de folhas de bate-caixa (Palicourea rigida) IV. Atividade biológica: inseticida e **antitumoral** SEQ ID 1: Cys Gly Glu Ser Cys Val Phe Ile Pro Cys Ile Thr Ser Leu Ala 15 10 15 Gly Cys Ser Cys Lys Asn Lys Val Cys Tyr Tyr Asp Gly Gly Ser 20 25 30 Val Pro 1 Summary of Invention Patent "**peptide** cyclical WITH AGRICULTURAL POTENTIAL AND pharmacological" The patent of the present invention describes a **cyclic peptide**, parigidina-br1, c (and according to SEQ ID 1, obtained from plant extracts, its use as 5 insecticide and its antitumor activity Sequences Listing I. GENERAL INFORMATION a) Applicant: Flaviane Michelle Soares Pinto b) Address: SGAN 916, module B, W5 Avenue, Brasília / DF II. Title of Invention: **cyclic peptide** WITH POTENTIAL AND AGRICULTURAL pharmacological III. Sequence number: 1 an IV. Format for computer reading: a) Medium used: b) Computer used: c) Operating System: GENERAL INFORMATION OF SEQUENCE sequence identifier number: SEQ ID 1 I. Characteristic of the sequence: a) Size: 32 amino acids b) Type: amino acids c) TOPOLOGY: **cyclic** II. MOLECULE TYPE: **peptide cyclic** (ciclotídeo) (II ready. Source: Sequence of **peptide** extracted pile-box sheets (, Palicourea rigid) IR biological activity: Insecticide and antitumor SEQ ID NO: 1: Cys Gly Glu Ser Cys Val Phe Ile Pro Cys Ile Thr Ser Leu Ala Gly Cys 15 10 15 Being Cys Lys Lys Asn Tyr Tyr Cys will Asp Gly Gly Ser 20 25 30 Val Pro

Classifications:

International (IPC 8-9): A01N37/18 A01P7/04 A61K38/12 A61P35/00 C07K14/415 (Advanced/Invention)

