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(54) Title: LABELLED SOMATOSTATIN ANALOGS BACKBONE CYCLIZED THROUGH METAL COMPLEXATION

(57) Abstract: Novel diagnostic and therapeutic peptides which are somatostatin analogs backbone cyclized through metal complexation, having improved somatostatin receptor subtype affinity and selectivity are disclosed. The backbone cyclized peptide analogs disclosed possess unique and superior properties over other analogs, such as chemical and metabolic stability, selectivity, increased bioavailability and improved pharmacokinetics. Pharmaceutical compositions comprising the backbone cyclized somatostatin analogs and radiolabelled analogs, reagents for synthesizing same, and methods of using such compositions for diagnostic and therapeutic purposes are also disclosed.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

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US CL : 514/6

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 514/6

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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

STN

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,E	US 2004/0102364 A1 (BONASERA et al.) 27 May 2004 (27.05.04).	1-29
A	GAZAL et al. Synthesis of novel protected N α (ω -thioalkyl) amino acid building units and their incorporation in backbone cyclic disulfide and thioetheric bridged peptides. J Peptide Res. 2001, Vol. 58, pages 527-539.	1-29
A	GAZAL et al. Human Somatostatin Receptor Specificity of Backbone-Cyclic Analogues containing Novel Sulfur Building Units. J Med Chem. 2002, Vol. 45, pages 1665-1671.	1-29
A	US 6,355,613 B1 (HORNIK et al.) 12 March 2002 (12.03.02).	1-29
A	US 6,051,554 A (HORNIK et al.) 18 April 2000 (18.04.00).	1-29



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"O"	document referring to an oral disclosure, use, exhibition or other means		
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