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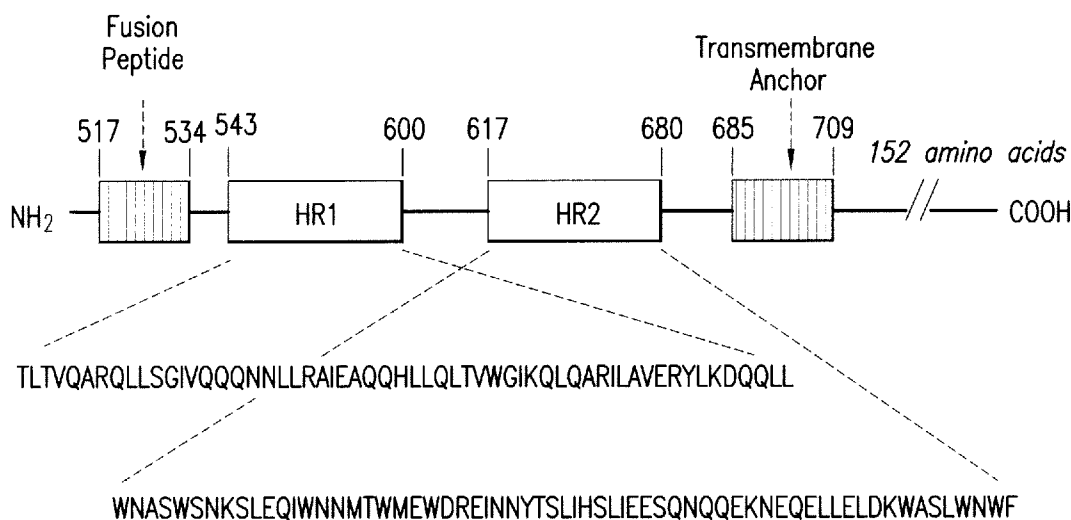


FIG. 1

(57) Abstract: Provided herein are methods for synthesis of peptides. In particular, provided herein are methods of synthesis for therapeutic antiviral peptides.

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- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*
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## INTERNATIONAL SEARCH REPORT

International application No  
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A. CLASSIFICATION OF SUBJECT MATTER  
INV. C07K14/16

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)  
C07K

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 practical, search terms used)

EPO-Internal, Sequence Search, BIOSIS, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2007/179278 A1 (DWYER JOHN J [US] ET AL DWYER JOHN [US] ET AL) 2 August 2007 (2007-08-02) the whole document	1-18
A	WO 01/34635 A (TRIMERIS INC [US]) 17 May 2001 (2001-05-17)	1-18
A	D.K. DAVIDSON ET AL.: "New fusion inhibitor peptides, TRI-999 and TRI-1144, are potent inhibitors of enfuvirtide and T-1249 resistant isolates" CONFERENCE REPORTS FOR NATAP; ABSTRACT THPE0021/13377, [Online] August 2006 (2006-08), XP002508308 Retrieved from the Internet: URL:www.natap.org/2006/IAS/IAS_88.htm> [retrieved on 2008-12-16] -/--	1-18

Further documents are listed in the continuation of Box C.

See patent family annex.

## \* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

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\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*Z\* document member of the same patent family

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Name and mailing address of the ISA/

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# INTERNATIONAL SEARCH REPORT

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	<p>&amp; XVI International AIDS Conference Toronto, Canada; August 13-18, 2006 abstract</p> <p style="text-align: center;">-----</p>	

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2008/011147

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1.  As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

see extra sheet(s)

### Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-18

A method of synthesising peptide TRI-1144 , by condensating peptide fragments that comprise an amino acid sequence selected from the group consisting of SEQ ID NO: 58-77.

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2. claim: 19

A peptide consisting of the amino acid sequences of any of SEQ ID NO: 58-77.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/US2008/011147
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2007179278	A1	02-08-2007	NONE	
WO 0134635	A	17-05-2001	AT 288278 T	15-02-2005
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