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(54) Title: POTENT AND SPECIFIC IMMUNOPROTEASOME INHIBITORS

(57) Abstract: Compounds and methods of selectively inhibiting an immunoproteasome are described. Also described are methods of treating a cancer, an inflammation, and/or an autoimmune disease and methods of suppressing endogenous antigenic peptide generation by administering to a subject in need of treatment thereof a therapeutic amount of an immunoproteasome specific inhibitor.



WO 2006/099261 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/08835

A. CLASSIFICATION OF SUBJECT MATTER

IPC: A61K 38/00(2006.01)

USPC: 514/19

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. : 514/19

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: Structure search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,780,454 (Adams et al) 14 June 1998 (14.06.1998), see entire document, and claims for generic structures claimed and the method of inhibiting proteosome function	1-71



Further documents are listed in the continuation of Box C.



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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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