

Title (en)  
HIV INTEGRASE INHIBITORS

Title (de)  
HIV INTEGRASE-INHIBITOREN

Title (fr)  
INHIBITEURS DE VIH INTEGRASE

Publication  
**EP 1083897 A4 20030102 (EN)**

Application  
**EP 99926096 A 19990601**

Priority  
• GB 9814930 A 19980709  
• US 9912095 W 19990601  
• US 8784598 P 19980603

Abstract (en)  
[origin: WO9962513A1] Nitrogen-containing heteroaryl dioxo-butyric acid derivatives are described as inhibitors of HIV integrase and inhibitors of HIV replication. These compounds are useful in the prevention or treatment of infection by HIV and the treatment of AIDS, either as compounds, pharmaceutically acceptable salts, pharmaceutical composition ingredients, whether or not in combination with other antivirals, immunomodulators, antibiotics or vaccines. Methods of treating AIDS and methods of preventing or treating infection by HIV are also described.

IPC 1-7  
**A61K 31/40**; **A61K 31/415**; **A61K 31/445**; **C07D 207/30**; **C07D 207/333**; **C07D 209/04**; **C07D 209/12**; **C07D 211/18**; **C07D 211/26**; **C07D 211/28**; **C07D 211/32**; **C07D 211/40**; **C07D 231/10**; **C07D 231/12**; **C07D 233/54**; **C07D 233/64**; **C07D 401/04**

IPC 8 full level  
**A61K 31/40** (2006.01); **A61K 31/403** (2006.01); **A61K 31/404** (2006.01); **A61K 31/415** (2006.01); **A61K 31/4427** (2006.01); **A61K 31/454** (2006.01); **A61K 45/06** (2006.01); **C07D 207/30** (2006.01); **C07D 207/333** (2006.01); **C07D 207/34** (2006.01); **C07D 209/12** (2006.01); **C07D 209/18** (2006.01); **C07D 231/12** (2006.01); **C07D 233/54** (2006.01); **C07D 233/64** (2006.01); **C07D 401/04** (2006.01); **C07D 207/32** (2006.01)

CPC (source: EP)  
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Citation (search report)  
• [A] US 4386092 A 19830531 - OE TAKANORI [JP], et al  
• [A] WO 9818473 A1 19980507 - MERCK & CO INC [US], et al  
• [X] DATABASE CAPLUS CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; XP002218136 & SU 1373708 A1 19880215 - PERM G FARMA I [SU]  
• [X] DATABASE CAPLUS CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; XP002218137 & JP S61164346 A 19860725 - MATSUSHITA ELECTRIC IND CO LTD  
• [X] DATABASE CAPLUS CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; XP002218138 & F. EIDEN ET AL.: "4-Pyrones. 54. 4-Pyrone[2,3-b]pyrroles", ARCHIV DER PHARMAZIE, vol. 308, no. 8, 1975, VCH VERLAGSGESELLSCHAFT MBH, WEINHEIM., DE, pages 598 - 602, ISSN: 0365-6233  
• [X] DATABASE CAPLUS CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; XP002218139 & TREFOR(SIC!) T. HOWARD ET AL.: "Pyrroles and related compounds. XXVI. Pyrrole.beta.-keto esters", JOURNAL OF THE CHEMICAL SOCIETY, PERKIN TRANSACTIONS 1, no. 4, 1974, CHEMICAL SOCIETY. LETCHWORTH., GB, pages 490 - 501, ISSN: 0368-1769  
• [X] DATABASE CAPLUS CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; XP002218140 & JP S5535066 A 19800311 - YOSHITOMI PHARMACEUTICAL  
• [X] DATABASE CAPLUS CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; XP002218141 & JP S554334 A 19800112 - YOSHITOMI PHARMACEUTICAL  
• See references of WO 9962513A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU NL PT SE

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**WO 9962513 A1 19991209**; AU 4225699 A 19991220; AU 756826 B2 20030123; AU 756826 C 20030821; CA 2329134 A1 19991209; EP 1083897 A1 20010321; EP 1083897 A4 20030102; JP 2002516858 A 20020611

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**US 9912095 W 19990601**; AU 4225699 A 19990601; CA 2329134 A 19990601; EP 99926096 A 19990601; JP 2000551769 A 19990601