Title (en)

HIV PROTEASE INHIBITORS

Publication

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Application

EP 91903689 A 19910109

Priority

- US 9100178 W 19910109
- US 46266990 A 19900109
- US 46989190 A 19900123

Abstract (en)

[origin: WO9110442A1] Compounds of the formula A-(C)b-(D)c-M-(X)e-Y-Z wherein: A is BocNH, CbzNH, H, R'R''N, R''CONR', or if a, b and c are 0 and Y is a covalent bond, then A is H, Boc, Cbz, R'' or R''CO; C and D are the same or different and are Ala, beta -Ala, D-Ala, Phe, Phg or Val; X is Ala, Ile, Leu, Val; Y is Ala, Ile, Leu, Val or is a covalent bond; Z is CO2R'''', CONR'R'''' COR', CH2OR'''', CH2OC(O)R'' or H, or if e is 0 and Y is a covalent bond, Z is OR'''' or NR'R''''; b, c and e are each independently 0 or 1, provided that c and e are not simultaneously 0; M is (alpha), wherein: R1 is independently, C1-5Alk, C3-5alkenyl or benzyl; R' and R'' are H or C1-5Alk; R'''' is H, C1-5Alk, C3-6cycloalkyl, (CH2)nC6H5, (CH2)nC5H4N, (CH2)nOH, (CH2)nNH2, or (CH2)nNHC(NH)NH2; inhibit the HIV-1 protease and are useful in the treatment of AIDS.

IPC 1-7

C07K 5/02

IPC 8 full level

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CPC (source: EP)

A61P 31/12 (2017.12); **C07C 271/22** (2013.01); **C07F 7/1804** (2013.01); **C07K 5/021** (2013.01); **C07K 7/02** (2013.01); A61K 38/00 (2013.01)

Citation (search report)

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- [DPX] EP 0352000 A2 19900124 - SMITHKLINE BECKMAN CORP [US]
- [PX] EP 0386611 A2 19900912 - HOFFMANN LA ROCHE [CH]
- [Y] G.B.DREYER ET AL: "Inhibition of HIV 1 protease in vitro; Rational design of substrate analogue inhibitors", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA., vol. 86, December 1989 (1989-12-01), WASHINGTON US, pages 9752 - 9756, XP000151090, DOI: doi:10.1073/pnas.86.24.9752
- See references of WO 9110442A1

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