

Title (en)

ALDEHYDE DERIVATIVES AS UPSTEINE PROTEASE INHIBITORS

Title (de)

ALDEHYDDERIVATE ALS UPSTEINE PROTEASE INHIBITOREN

Title (fr)

DERIVES ALDEHYDES UTILISES COMME INHIBITEURS DE PROTEASE D'UPSTEINE

Publication

**EP 0783489 A1 19970716 (EN)**

Application

**EP 95932228 A 19950925**

Priority

- JP 9501933 W 19950925
- JP 23183994 A 19940927

Abstract (en)

[origin: WO9610014A1] The present invention relates to a compound of formula (Ia'), wherein Q' stands for one or two amino acid residual groups which may be substituted; R<1> stands for a hydrogen atom or an optionally substituted hydrocarbon or heterocyclic group; R<4> stands for an optionally esterified carboxy group or an acyl group; and X stands for an optionally substituted straight-chain or branched divalent hydrocarbon group having a chain length of 1 to 4 atoms as the linear moiety, or a salt thereof, which has strong cysteine protease inhibitory activities and is a useful prophylactic and therapeutic agent of various diseases, including bone diseases, caused by abnormal exasperation of cysteine protease.

IPC 1-7

**C07D 209/16**; A61K 31/40; A61K 31/435; A61K 38/05; C07D 401/12; C07C 311/19; C07K 5/062

IPC 8 full level

**C07C 311/19** (2006.01); **C07D 209/16** (2006.01); **C07D 401/12** (2006.01); **C07K 5/06** (2006.01); **A61K 38/00** (2006.01)

CPC (source: EP)

**C07C 311/19** (2013.01); **C07D 209/16** (2013.01); **C07D 401/12** (2013.01); **C07K 5/06043** (2013.01); **A61K 38/00** (2013.01)

Citation (search report)

See references of WO 9610014A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

**WO 9610014 A1 19960404**; AU 3534195 A 19960419; CA 2196182 A1 19960404; EP 0783489 A1 19970716

DOCDB simple family (application)

**JP 9501933 W 19950925**; AU 3534195 A 19950925; CA 2196182 A 19950925; EP 95932228 A 19950925