Title (en)

ACYLUREA CONNECTED AND SULFONYLUREA CONNECTED HYDROXAMATES

Title (de)

MIT ACYLHARNSTOFF VERBUNDENE UND MIT SULFONYLHARNSTOFF VERBUNDENE HYDROXAMATE

Title (fr)

HYDROXAMATES CONNECTES A L'ACYLUREE ET A LA SULFONYLUREE

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Application

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Abstract (en)

[origin: WO2005040101A1] The present invention relates to hydroxamate compounds which are inhibitors of histone deacetylase. More particularly, the present invention relates to acylurea/sulfonylurea containing compounds and methods for their preparation. These compounds may be useful as medicaments for the treatment of proliferative disorders as well as other diseases involving, relating to or associated with enzymes having histone deacetylase activities.

IPC 8 full level

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Citation (search report)

- [XA] ILIES, MONICA ET AL: "Protease inhibitors: synthesis of bacterial collagenase and matrix metalloproteinase inhibitors incorporating arylsulfonylureido and 5-dibenzo-suberenyl/suberyl moieties", BIOORGANIC & MEDICINAL CHEMISTRY , 11(10), 2227-2239 CODEN: BMECEP; ISSN: 0968-0896, 2003, XP002442172
- [XA] SCOZZAFAVA, ANDREA ET AL: "Protease Inhibitors: Synthesis of Potent Bacterial Collagenase and Matrix Metalloproteinase Inhibitors Incorporating N-4-Nitrobenzylsulfonylglycine Hydroxamate Moieties", JOURNAL OF MEDICINAL CHEMISTRY , 43(9), 1858-1865 CODEN: JMCMAR; ISSN: 0022-2623, 2000, XP000986258
- [XA] SCOZZAFAVA, A. ET AL: "Protease inhibitors. Part 12. Synthesis of potent matrix metalloproteinase and bacterial collagenase inhibitors incorporating sulfonylated N-4-nitrobenzyl-.beta.-alanine hydroxamate moieties", EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES , 11(1), 69-79 CODEN: EPSCED; ISSN: 0928-0987, 2000, XP000971120
- [XA] SCOZZAFAVA, A. ET AL: "Protease inhibitors. Part 8. Synthesis of potent Clostridium histolyticum collagenase inhibitors incorporating sulfonylated L- alanine hydroxamate moieties", BIOORGANIC & MEDICINAL CHEMISTRY , 8(3), 637-645 CODEN: BMECEP; ISSN: 0968-0896, 2000, XP002975845
- [XA] SCOZZAFAVA, ANDREA ET AL: "Protease inhibitors: synthesis of Clostridium histolyticum collagenase inhibitors incorporating sulfonyl-L-alanine hydroxamate moieties", BIOORGANIC & MEDICINAL CHEMISTRY LETTERS , 10(5), 499-502 CODEN: BMCLE8; ISSN: 0960-894X, 2000, XP004202447
- [XA] CLARE, BRIAN W. ET AL: "Protease Inhibitors: Synthesis of a Series of Bacterial Collagenase Inhibitors of the Sulfonyl Amino Acyl Hydroxamate Type", JOURNAL OF MEDICINAL CHEMISTRY , 44(13), 2253-2258 CODEN: JMCMAR; ISSN: 0022-2623, 2001, XP002442173
- See references of WO 2005040101A1

Cited by

US7884105B2; US8101616B2; US8163765B2; US8138198B2; US8377935B2; US8193205B2; US8524728B2; US8592441B2; US8664223B2; US9078896B2; US9150543B2; US9636341B2; US8268833B2; US8343988B2; US8455498B2; US8524711B2; US8697717B2; US8916554B2; US9150560B2; US9533979B2; US9556161B2

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