Title (en)

N-HYDROXY-2-(ALKYL, ARYL, OR HETEROARYL SULFANYL, SULFINYL OR SULFONYL)-3-SUBSTITUTED-ALKYL, ARYL OR HETEROARYLAMIDES AS MATRIX METALLOPROTEINASE INHIBITORS

Title (de)

N-HYDROXY-2-(ALKYL,ARYL, ODER HETEROAPYL, SULFANYL,SULFINYL ODER SULFONYL)-3-SUBSTITUIERTE-ALKYL,ARYL ODER HETEROARYLAMIDE, ALS INHIBITOREN DER MATRIXMETALLOPROEINASE

Title (fr)

ALKYLE, ARYLE OU HETEROARYLAMIDES N-HYDROXY-2-(ALKYL, ARYL OU HETEROARYL SULFANYL, SULFINYL OU SULFONYL)-3-SUBSTITUES EN TANT QU'INHIBITEURS DE LA METALLOPROTEINASE MATRICIELLE

Publication

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Application

EP 98943392 A 19980826

Priority

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Abstract (en)

[origin: WO9942436A1] Matrix metalloproteinases (MMPs) are a group of enzymes that have been implicated in the pathological destruction of connective tissue and basement membranes. These zinc containing endopeptidases consist of several subsets of enzymes including collagenases, stromelysins and gelatinases. TNF- alpha converting enzyme (TACE), a pro-inflammatory cytokine, catalyzes the formation of TNF- alpha from membrane bound TNF- alpha precursor protein. It is expected that small molecule inhibitors of MMPs and TACE therefore have the potential for treating a variety of disease states. The present invention provides low molecular weight, non-peptide inhibitors of matrix metalloproteinases (MMPs) and TNF- alpha converting enzyme (TACE) for the treatment of arthritis, tumor metastasis, tissue ulceration, abnormal wound healing, periodontal disease, bone disease, diabetes (insulin resistance) and HIV infection having formula (I), wherein R<2> and R<3> form a heterocyclic ring and A is S, S(O), or S(O)2 and R<1> and R<4> are defined herein.

IPC 1-7

C07C 239/14; C07D 211/20; C07D 241/04; A61K 31/16

IPC 8 full level

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