

Title (en)  
HUMAN LEUKOCYTE ELASTASE INHIBITORS AND METHODS OF PRODUCING AND USING SAME

Publication  
**EP 0396709 A4 19910522 (EN)**

Application  
**EP 89912611 A 19891027**

Priority  
• US 26338588 A 19881027  
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Abstract (en)  
[origin: EP0367514A2] Compounds selected from the group consisting of a compound of the formula <CHEM> and a compound of the formula <CHEM> wherein x is 1 or 2, Y is carbobenzoxy or benzoyl, and XR is <CHEM> have use as elastase enzyme inhibitors. Particularly potent are the L-proline diastereomers. Elastase Enzyme inhibitory compositions comprise a carrier and an elastase enzyme inhibiting amount of the compounds of the invention. A method of selectively inhibiting the enzyme elastase in an animal or a human in need of such treatment comprises administering to the animal or human an enzyme elastase inhibiting amount of one of the compounds of the invention or a composition thereof. A method of reducing corneal scarring or fibroblast proliferation comprises applying to an area of a subject's eye afflicted with the condition a corneal scar- fibroblast proliferation-reducing amount of a free or polymer-bound HLE inhibitory agent under conditions and for a period of time effective to attain the desired effect. A method of reducing neovascularization of corneal scar tissue comprises applying to an area of a subject's eye afflicted with the condition a neovascularization-inhibitory amount of a free or polymer-bound HLE inhibitory agent under conditions and for a period of time effective to attain the desired effect.

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