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(54) Title: CHEMICAL COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS AS CATHEPSIN S INHIBITORS

(57) Abstract: The present invention relates to compounds of formula (I) (in which X¹ is -NHC(R¹)(R²)X³ or -NHX⁴ and the other variables are as defined in the claims) and the pharmaceutically acceptable salts and N-oxides thereof, useful as selective cathepsin S inhibitors, their uses as therapeutic agents and the methods for their making. Formula (I):



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