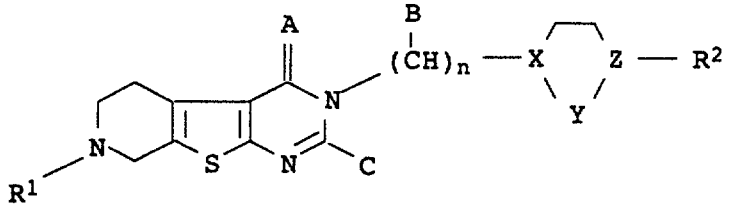
3-Substituted pyrido[4',3':4,5]thieno[2,3-d]pyrimidine derivatives, the preparation and use thereof

Abstract

3-substituted 3,4,5,6,7,8-hexahydropyrido[4',3':4,5]thieno-[2,3-d]pyrimidine derivatives of the formula I



I,

where

R^1 is hydrogen, C_1-C_4-alkyl, acetyl or benzoyl, a phenylalkyl C_1-C_4 radical, the aromatic ring being unsubstituted or substituted by halogen, C_1-C_4-alkyl, trifluoromethyl, hydroxyl, C_1-C_4-alkoxy, amino, cyano or nitro groups, or is a naphthylalkyl C_1-C_3 radical, a phenylalkanone C_2-C_3 radical or a phenyl-carbamoylalkyl C_2 radical, it being possible for the phenyl to be substituted by halogen,

R^2 is phenyl, pyridyl, pyrimidinyl or pyrazinyl, each of which is unsubstituted or mono-, di- or trisubstituted by halogen atoms, C_1-C_4-alkyl, trifluoromethyl, trifluoromethoxy, hydroxyl, C_1-C_4-alkoxy, amino, monomethylamino, dimethylamino, cyano or nitro groups, and each of which may be fused to a benzene nucleus which may be unsubstituted or mono- or disubstituted by halogen atoms, C_1-C_4-alkyl, hydroxyl, trifluoromethyl, C_1-C_4-alkoxy, amino, cyano or nitro groups, and may contain 1 nitrogen atom, or to a 5- or 6-membered ring which may contain 1-2 oxygen atoms, or may be substituted by a phenyl-C_1-C_2-alkyl or -alkoxy group, it being possible for the phenyl to be substituted by halogen, a methyl, trifluoromethyl or methoxy group,

A is NH or an oxygen atom,

B is hydrogen or methyl,

C is hydrogen, methyl or hydroxyl,

X is a nitrogen atom,

Y is CH_2, CH_2-CH_2, CH_2-CH_2-CH_2 or CH_2-CH,

Z is a nitrogen atom, carbon atom or CH, it also being possible for the linkage between Y and Z to be a double bond,

and n is 2, 3 or 4, and the physiologically tolerated salts thereof.