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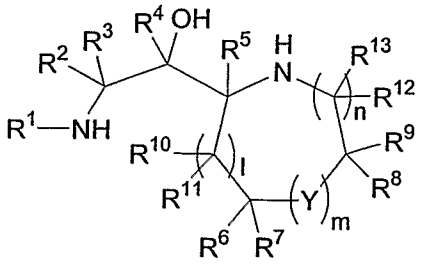
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(54) Title: CYCLIC AMINE BASE-1 INHIBITORS HAVING A HETEROCYCLIC SUBSTITUENT



(I)

(57) Abstract: Disclosed are novel compounds of the formula (I)or a pharmaceutically acceptable salt or solvate thereof, wherein R^1 is formula (I) X is -0-, -C(R^{14})2- or -N(R)-; Z is -C(R^{14})2- or -N(R)-; t is 0, 1, 2 or 3; each R and R^2 is independently H, alkyl, cycloalkyl, cycloalkylalkyl, aryl, heteroaryl, heterocycloalkyl, arylalkyl, heteroarylalkyl, heterocycloalkylalkyl, alkenyl or alkynyl; each R^{14} is H, alkyl, alkenyl, alkynyl, halo, -CN, haloalkyl, cycloalkyl, cycloalkylalkyl, aryl, heteroaryl, heterocycloalkyl, arylalkyl, heteroarylalkyl, heterocycloalkylalkyl, -OR35, -N(R^{24})(R^{25})or -SR^{35}; R^{41} is alkyl, cycloalkyl, -S0_2(alkyl), -C(O)-alkyl, -C(O)-cycloalkyl or -alkyl-NH-C(O)CH3; and the remaining variables are as defined in the specification. Also disclosed are pharmaceutical compositions comprising the compounds of formula I and methods of treating cognitive or neurodegenerative diseases with compounds of formula (I). Also disclosed are pharmaceutical compositions and methods of treatment comprising compounds of formula I in combination with other agents useful in treating cognitive or neurodegenerative diseases.

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