Title (en)

SMALL MOLECULE BRADYKININ B1 RECEPTOR ANTAGONISTS

Title (de)

NIEDERMOLEKULARE ANTAGONISTEN DES BRADYKININ-B1-REZEPTORS

Title (fr)

PETITES MOLÉCULES ANTAGONISTES DU RÉCEPTEUR B1 DE LA BRADYKININE

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Abstract (en)

[origin: WO2010091876A2] The present invention is related to a compound of the formula (I): or a pharmacologically acceptable salt, solvate or hydrate thereof, wherein A is formula (II) (III) (IV), X is Ch or N; R1, R2, R3, R4, R6, R7, and R8 are each and independently of each other selected from hydrogen atom, halogen atom, hydroxy, cyano, amino, alkyl, or optionally substituted heteroalkyl; R5 is a halogen atom, hydroxy, cyano, amino, an alkyl, an optionally substituted heteroalkyl, an optionally substituted cycloalkyl, an optionally substituted heterocycloalkyl, an optionally substituted alkylcycloalkyl, an optionally substituted heteroalkylcycloalkyl, an optionally substituted aryl, an optionally substituted heteroaryl, an optionally substituted aralkyl, or an optionally substituted heteroaralkyl; R9 is a hydrogen atom, an alkyl, or a heteroalkyl; R10 is a hydrogen atom, an alkyl, an optionally substituted heteroalkyl, an optionally substituted cycloalkyl, an optionally substituted heterocycloalkyl, an optionally substituted aralkyl, or an optionally substituted heteroaralkyl; R11 is an alkyl, an optionally substituted heteroalkyl, an optionally substituted cycloalkyl, an optionally substituted heterocycloalkyl, an optionally substituted alkylcycloalkyl, an optionally substituted heteroalkylcycloalkyl, an optionally substituted aryl, an optionally substituted heteroaryl, an optionally substituted aralkyl, or an optionally substituted heteroaralkyl; R12 is a hydrogen atom, an alkyl, an optionally substituted heteroalkyl, an optionally substituted cycloalkyl, an optionally substituted heterocycloalkyl, an optionally substituted aryl, an optionally substituted aralkyl, or an optionally substituted heteroaralkyl; B is O or N; Z1 and Z2 are each and independently of each other selected from C or N, and Z3 and Z4 are each and independently of each other selected from C, S, O or N; R13 is an alkyl, an optionally substituted heteroalkyl, an optionally substituted cycloalkyl, an optionally substituted heterocycloalkyl, an optionally substituted alkylcycloalkyl, an optionally substituted heteroalkylcycloalkyl, an optionally substituted aryl, an optionally substituted heteroaryl, an optionally substituted aralkyl, or an optionally substituted heteroaralkyl; R14 and R15, if present, are (i) each and independently of each other selected from hydrogen atom, halogen atom, CN, hydroxy, =O, alkyl, C3-C6-cycloalkyl, heteroalkyl or alkoxy; or (ii) joined together to form a carbocyclic or heterocyclic 5- or 6-membered ring, which is substituted with 0 to 4 substituents selected from the group comprising R16, R17, R18 and R19, and is saturated, unsaturated, or aromatic, and, if heterocyclic, contains one or more heteroatom(s) each and independently selected from N, O and S; and R16, R17, R18 and R19 are individually and independently selected from hydrogen atom, halogen atom, hydroxy, cyano, amino, alkyl, and optionally substituted heteroalkyl.

IPC 8 full level

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