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(54) Title: NEW THIADIAZOLES AND OXADIAZOLES AND THEIR USE AS PHOSPHODIESTERASE-7 INHIBITORS

(57) Abstract: The invention provides 1,3,4-thiadiazoles and 1,3,4-oxadiazoles having the following formula (I): in which, Y is S or O, R₁ is alkyl, alkenyl, alkynyl, cycloalkyl, heterocycloalkyl, cycloalkenyl, aryl, heteroaryl or a polycyclic group, optionally substituted, R₂ is alkyl, alkenyl, alkynyl, cycloalkyl, heterocycloalkyl, cycloalkenyl or aryl optionally substituted, R₃ is X₂-R'₃, in which X₂ is a binding group and R'₃ is cycloalkyl, heterocycloalkyl, cycloalkenyl, aryl, heteroaryl, or a polycyclic group; optionally substituted, or their pharmaceutically acceptable derivatives, the process for their preparation and their use for the manufacture of a medicament for the treatment of disorders for which a treatment by a PDE7 inhibitor is relevant.

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