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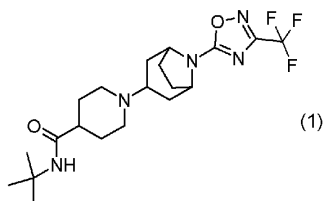
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(1)

(57) Abstract: This invention relates to compounds that are agonists of the muscarinic M1 and M4 receptor and which are useful in the treatment of diseases mediated by the muscarinic M1 and/or M4 receptors. Also provided are pharmaceutical compositions containing the compounds and the therapeutic uses of the compounds. Compounds provided are of formula (1): and salts thereof.

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