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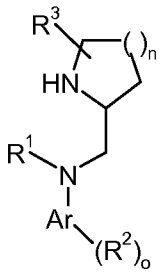
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(54) **Title:** 2-AZETIDINEMETHANEAMINES AND 2-PYRROLIDINEMETHANEAMINES AS TAAR-LIGANDS



(I)

(57) **Abstract:** The present invention relates to compounds of formula (I) wherein R^1 is hydrogen, lower alkyl or benzyl which may be optionally substituted by halogen or lower alkoxy; R^2 is hydrogen, halogen or OR, wherein R is lower alkyl, aryl or lower alkyl substituted by halogen; R^3 is hydrogen or fluorine; Ar is phenyl; n is 0 or 1; o is 0, 1 or 2; and to their pharmaceutically active salts. It has been found that the compounds of formula I have a good affinity to the trace amine associated receptors (TAARs), especially for TAAR1. The compounds may be used for the treatment of depression, anxiety disorders, bipolar disorder, attention deficit hyperactivity disorder (ADHD), stress-related disorders, psychotic disorders such as schizophrenia, neurological diseases such as Parkinson's disease, neurodegenerative disorders such as Alzheimer's disease, epilepsy, migraine, hypertension, substance abuse and metabolic disorders such as eating disorders, diabetes, diabetic complications, obesity, dyslipidemia, disorders of energy consumption and assimilation, disorders and malfunction of body temperature homeostasis, disorders of sleep and circadian rhythm, and cardiovascular disorders.

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