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DATASHEET

Cevimeline hydrochloride

Product overview

Name	Cevimeline hydrochloride
Cat No	HB1490
Alternative names	AF 102B; SNI 2011
Biological action	Agonist
Description	Selective M ₁ receptor agonist

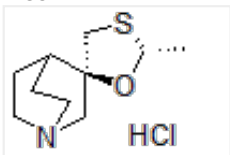
Biological Data

Biological description	Selective M ₁ muscarinic receptor agonist. Shows memory enhancing actions.
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Solubility & Handling

Storage instructions	-20 °C
Solubility overview	Soluble in water (75mM) and in DMSO (50mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

Chemical Data

Chemical name	<i>cis</i> -2-Methylspiro[1,3-oxathiolane-5 ,3'-quinuclidine] hydrochloride
Molecular Weight	235.77
Chemical structure	
Molecular Formula	C ₁₀ H ₁₇ NOS.HCl
CAS Number	107220-28-0
PubChem identifier	9837584
SMILES	CC1OC2(CN3CCC2CC3)CS1.Cl
InChi	InChI=1S/C10H17NOS.ClH/c1-8-12-10(7-13-8)6-11-4-2-9(10)3-5-11;/h8-9H,2-7H2,1H3;1H
InChiKey	SURWTGAXEIEOGY-UHFFFAOYSA-N
MDL number	MFCD20730603

References

(+)-*cis*-2-methyl-spiro(1,3-oxathiolane-5,3')quinuclidine, an M1 selective cholinergic agonist, attenuates cognitive dysfunctions in an animal model of Alzheimer's disease.

Fisher A *et al* (1991) J Pharmacol Exp Ther 257(1)
PubMedID [2019998](#)

L-689,660, a novel cholinomimetic with functional selectivity for M1 and M3 muscarinic receptors.

Hargreaves RJ *et al* (1992) Br J Pharmacol 107(2)

PubMedID 1422595

NGF-dependent neurotrophic-like effects of AF102B, an M1 muscarinic agonist, in PC12M1 cells.

Gurwitz D *et al* (1995) Neuroreport 6(3)

PubMedID 7766849
