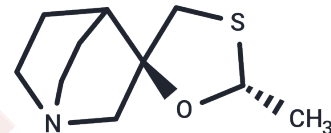


Cevimeline

Chemical Properties

CAS No. :	107233-08-9
Formula:	C10H17NOS
Molecular Weight:	199.31
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Cevimeline, a parasympathomimetic and muscarinic agonist, affects M1 and M3 receptors. Cevimeline has been shown to treat dry mouth and Sj gren's syndrome. It is also used to reduce Xerostomia symptoms and increase salivary flow in head and neck cancer survivors after radiotherapy.
Targets(IC50)	Others,AChR

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.0173 mL	25.0865 mL	50.1731 mL
5 mM	1.0035 mL	5.0173 mL	10.0346 mL
10 mM	0.5017 mL	2.5087 mL	5.0173 mL
50 mM	0.1003 mL	0.5017 mL	1.0035 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Barbe AG. Long-term Use of the Sialogogue Medications Pilocarpine and Cevimeline Can Reduce Xerostomia Symptoms and Increase Salivary Flow in Head and Neck Cancer Survivors After Radiotherapy. J Evid Based Dent Pract. 2017 Sep;17(3):268-270. doi: 10.1016/j.jebdp.2017.06.013. Epub 2017 Jul 3. PubMed PMID: 28865825.

Mitoh Y, Ueda H, Ichikawa H, Fujita M, Kobashi M, Matsuo R. Effects of cevimeline on excitability of parasympathetic preganglionic neurons in the superior salivatory nucleus of rats. Auton Neurosci. 2017 Sep;206:1-7. doi: 10.1016/j.autneu.2017.05.010. Epub 2017 May 30. PubMed PMID: 28600120.

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