上海源叶生物科技有限公司
Shanghai yuanye Bio-Technology Co., Ltd
电话：021-61312973　　传真：021-55068248
网址：www.shyuanye.com
邮箱：shyysw@sina.com

产品名称：((+/-)-顺式-2-甲基螺[1,3-氧硫杂环戊烷-5,3'-奎宁环]盐酸半水合物
产品别名：Cevimeline hydrochloride；盐酸西维美林

生物活性：

Description	Cevimeline hydrochloride (AF102B hydrochloride) is a muscarinic M1 and M3 receptor agonist. Cevimeline hydrochloride acts a parasympathomimetic and muscarinic agonist used in the treatment of dry mouth associated with sjogren's syndrome.
IC_{50} & Target	M3 receptor[1]
Solvent&Solubility	***In Vitro:*** **H_2O : ≥ 50 mg/mL (212.07 mM)** * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	4.2414 mL	21.2071 mL	42.4142 mL
	5 mM	0.8483 mL	4.2414 mL	8.4828 mL
	10 mM	0.4241 mL	2.1207 mL	4.2414 mL

*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液；一旦配成溶液，请分装保存，避免反复冻融造成的产品失效。

储备液的保存方式和期限：-80°C, 6 months; -20°C, 1 month。-80°C 储存时，请在 6 个月内使用，-20°C 储存时，请在 1 个月内使用。

References

[1]. Witsell DL, et al. Effectiveness of cevimeline to improve oral health in patients with postradiation xerostomia.Head Neck. 2012 Aug;34(8):1136-42. doi: 10.1002/hed.21894. Epub 2012 Jan 9.

[2]. Ono K, et al. Distinct effects of cevimeline and pilocarpine on salivary mechanisms, cardiovascular response and thirst sensation in rats.Arch Oral Biol. 2012 Apr;57(4):421-8. Epub 2011 Nov 17.

[3]. Kondo Y, et al.Cevimeline-induced monophasic salivation from the mouse submandibular gland: decreased Na+ content in saliva results from specific and early activation of Na+/H+ exchange.J Pharmacol Exp Ther. 2011 Apr;337(1):267-74. Epub 2011 Jan 14.

[4]. Voskoboynik B, et al.Cevimeline (Evoxac) overdose.J Med Toxicol. 2011 Mar;7(1):57-9.

[5]. Tajiri S, et al. Dosage form design and in vitro/in vivo evaluation of cevimeline extended-release tablet formulations.Int J Pharm. 2010 Jan 4;383(1-2):99-105. Epub 2009 Sep 10.