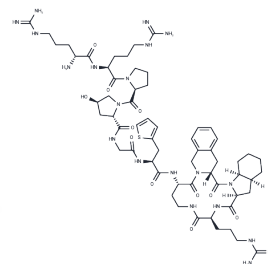


MEN 11270

Chemical Properties

CAS No. :	235082-52-7
Formula:	C ₆₀ H ₉₀ N ₂₀ O ₁₁ S
Molecular Weight:	1299.56
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Peptide antagonist of the B2 bradykinin receptor (pK _i = 10.3); conformationally constrained cyclized analog of HOE 140. Blocks hypotension and bronchoconstriction in vivo. Displays selectivity for B2 over 29 other receptors and ion channels (pIC ₅₀ < 5.5).
Targets(IC50)	Bradykinin Receptor

Solubility Information

Solubility	30% acetonitrile / water: 1 mg/mL (0.77 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7695 mL	3.8475 mL	7.6949 mL
5 mM	0.1539 mL	0.7695 mL	1.539 mL
10 mM	0.0769 mL	0.3847 mL	0.7695 mL
50 mM	0.0154 mL	0.0769 mL	0.1539 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

Meini et al (1999) MEN 11270, a novel selective constrained peptide antagonist with high affinity at the human B2 kinin receptor. J.Pharmacol.Exp.Ther. 289 1250 PMID:

Tramontana et al (2001) Differences between peptide and nonpeptide B2 bradykinin receptor antagonists in blocking bronchoconstriction and hypotension induced by bradykinin in anesthetized guinea pigs J.Pharmacol. Exp.Ther. 296 1051 PMID:

Cucchi et al (2002) Interaction of linear and cyclic peptide antagonists at the human B(2) kinin receptor. Peptides 23 1457 PMID:

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