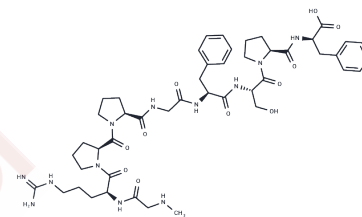


Sar-[D-Phe8]-des-Arg9-Bradykinin

Chemical Properties

CAS No. :	126959-88-4
Formula:	C47H66N12O11
Molecular Weight:	975.11
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	Potent and selective bradykinin B1 receptor agonist (EC50 = 9.02 nM in rabbit aorta) that is resistant to aminopeptidase, kininase I and II (ACE) and neutral endopeptidase cleavage. Exhibits hypotensive and angiogenic activity in vivo.
Targets(IC50)	Bradykinin Receptor

Solubility Information

Solubility	H2O: 2 mg/mL (2.05 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	1.0255 mL	5.1276 mL	10.2553 mL
5 mM	0.2051 mL	1.0255 mL	2.0511 mL
10 mM	0.1026 mL	0.5128 mL	1.0255 mL
50 mM	0.0205 mL	0.1026 mL	0.2051 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

Drapeau et al (1991) Hypotensive effects of Lys-des-Arg9-Bradykinin and metabolically protected agonists of B1 receptors for kinins. J.Pharmacol.Exp.Ther. 259 997 PMID:

Drapeau et al (1993) Development and in vivo evaluation of metabolically resistant antagonists of B1 receptors for kinins. J.Pharmacol.Exp.Ther. 266 192 PMID:

Leeb-Lundberg et al (2005) International union of pharmacology. XLV. Classification of the kinin receptor family: from molecular mechanisms to pathophysiological consequences. Pharmacol.Rev. 57 27 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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