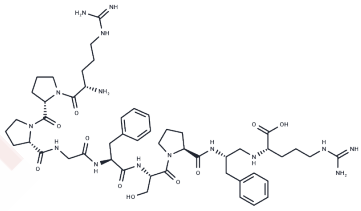
Data Sheet (Cat.No.TP2076)

TargetMol

[Phe8Ψ(CH-NH)-Arg9]-Bradykinin

Chemical Properties



CAS No. : 118122-39-7

Formula: C50H75N15O10

Molecular Weight: 1046.23

Storage: Keep away from moisture
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	Selective bradykinin B2 receptor agonist that is resistant to carboxypeptidase cleavage. 5-fold more potent and exhibits a more prolonged duration of action than bradykinin in vivo.
Targets(IC50)	Bradykinin Receptor

Solubility Information

Solubility	H2O: 1 mg/mL (0.96 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9558 mL	4.7791 mL	9.5581 mL
5 mM	0.1912 mL	0.9558 mL	1.9116 mL
10 mM	0.0956 mL	0.4779 mL	0.9558 mL
50 mM	0.0191 mL	0.0956 mL	0.1912 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 (1988) [Phe8Ψ(CH2-NH)Arg9]bradykinin, a B2 receptor selective agonist which is not broken down by either kininase I or kininase II. Eur.J.Pharmacol. 155 193 PMID:
Marceau et al (2002) Kinin receptors: functional aspects. Int.Immunopharmacol. 2 1729 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:

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