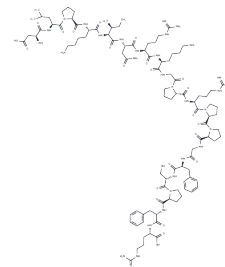


Bombinakinin M

Chemical Properties

CAS No. :	509151-65-9
Formula:	C100H159N31O24
Molecular Weight:	2179.55
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 bradykinin receptor agonist. Highly selective for mammalian arterial smooth muscle bradykinin receptors, displaying ~ 50-fold greater potency than bradykinin. Elicits dose-dependent contractile effects in smooth muscle of guinea pig ileum (EC50 = 4.0 nM).
Targets(IC50)	Bradykinin Receptor

Solubility Information

Solubility	H2O: 1 mg/mL (0.46 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	0.4588 mL	2.2941 mL	4.5881 mL
5 mM	0.0918 mL	0.4588 mL	0.9176 mL
10 mM	0.0459 mL	0.2294 mL	0.4588 mL
50 mM	0.0092 mL	0.0459 mL	0.0918 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

Lai et al (2001) A novel bradykinin-related peptide from skin secretions of toad *Bombina maxima* and its precursor containing six identical copies of the final product. *Biochem.Biophys.Res.Comm.* 286 259

O'Rourke et al (2004) The smooth muscle pharmacology of maximakinin, a receptor-selective, bradykinin-related nonadecapeptide from the venom of the Chinese toad, *Bombina maxima*. *Regul.Peptides* 121 65

Lee et al (2005) Cloning of bradykinin precursor cDNAs from skin of *Bombina maxima* reveals novel bombinakinin M antagonists and a bradykinin potential peptide. *Regul.Peptides* 127 207

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