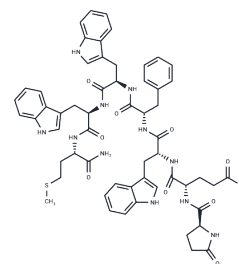


G-Protein antagonist peptide

Chemical Properties

CAS No. :	143675-79-0
Formula:	C57H64N12O9S
Molecular Weight:	1093.27
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	Substance P-related peptide that inhibits binding of G proteins to their receptors. Competitively and reversibly inhibits M2 muscarinic receptor activation of Gi or Go and inhibits Gs activation by β -adrenoceptors.
Targets(IC50)	Adrenergic Receptor,AChR

Solubility Information

Solubility	DMSO: 2 mg/mL (1.83 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	0.9147 mL	4.5734 mL	9.1469 mL
5 mM	0.1829 mL	0.9147 mL	1.8294 mL
10 mM	0.0915 mL	0.4573 mL	0.9147 mL
50 mM	0.0183 mL	0.0915 mL	0.1829 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

Mukai et al (1992) G protein antagonists. A novel hydrophobic peptide competes with receptor for G protein binding. J.Biol.Chem. 267 16237 PMID:

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