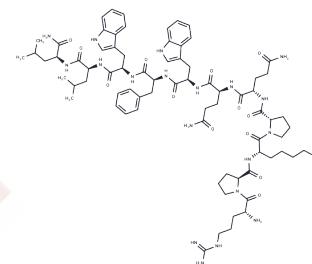


Spantide I

Chemical Properties

CAS No. :	91224-37-2
Formula:	C75H108N20O13
Molecular Weight:	1497.79
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	Spantide antagonizes both bombesin & substance P. It is also tachykinin receptor antagonist.
Targets(IC50)	Neurokinin receptor

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6677 mL	3.3383 mL	6.6765 mL
5 mM	0.1335 mL	0.6677 mL	1.3353 mL
10 mM	0.0668 mL	0.3338 mL	0.6677 mL
50 mM	0.0134 mL	0.0668 mL	0.1335 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

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Wiesenfeld-Hallin Z, Xu XJ, Kristensson K, Håkanson R, Feng DM, Folkers K. Antinociceptive and substance P antagonistic effects of intrathecally injected spantide II in rat: no signs of motor impairment or neurotoxicity. *Regul Pept*. 1990 Jun;29(1):1-11. PubMed PMID: 1697080.

Yanagisawa M, Otsuka M. Pharmacological profile of a tachykinin antagonist, spantide, as examined on rat spinal motoneurons. *Br J Pharmacol*. 1990 Aug;100(4):711-6. PubMed PMID: 1698496; PubMed Central PMCID: PMC1917608.

Beding-Barnekow B, Leander S, Ohlin M, Ninn-Pedersen K, Alkner U, Håkanson R. Systemic and intraocular uptake of spantide, a tachykinin antagonist, following topical application to the rabbit eye. *Exp Eye Res*. 1990 Jan;50(1):21-6. PubMed PMID: 1689665.

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