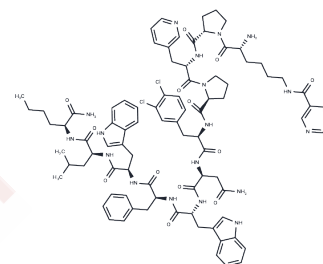


## Spantide II

## Chemical Properties

CAS No. :	129176-97-2
Formula:	C <sub>86</sub> H <sub>104</sub> Cl <sub>2</sub> N <sub>18</sub> O <sub>13</sub>
Molecular Weight:	1668.77
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 II is an antagonist of tachykinin.
Targets(IC50)	Neurokinin receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5992 mL	2.9962 mL	5.9924 mL
5 mM	0.1198 mL	0.5992 mL	1.1985 mL
10 mM	0.0599 mL	0.2996 mL	0.5992 mL
50 mM	0.012 mL	0.0599 mL	0.1198 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

- Shah PP, Desai PR, Singh M. Effect of oleic acid modified polymeric bilayered nanoparticles on percutaneous delivery of spantide II and ketoprofen. *J Control Release*. 2012 Mar 10;158(2):336-45. doi: 10.1016/j.jconrel.2011.11.016. Epub 2011 Nov 21. PubMed PMID: 22134117; PubMed Central PMCID: PMC3294128.
- Håkanson R, Leander S, Asano N, Feng DM, Folkers K. Spantide II, a novel tachykinin antagonist having high potency and low histamine-releasing effect. *Regul Pept*. 1990 Oct 29;31(1):75-82. PubMed PMID: 1702895.
- Kikwai L, Babu RJ, Kanikkannan N, Singh M. Stability and degradation profiles of Spantide II in aqueous solutions. *Eur J Pharm Sci*. 2006 Feb;27(2-3):158-66. Epub 2005 Nov 2. PubMed PMID: 16266798.
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