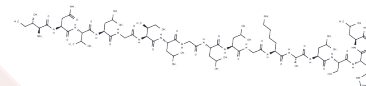


## Bombolitin V

## Chemical Properties

CAS No. :	95648-98-9
Formula:	C81H144N22O19
Molecular Weight:	1730.15
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	Bombolitin V is a mast cell degranulosic peptide from the venom of the bumblebee <i>Megabombus Pennsylvanicus</i> .
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.578 mL	2.8899 mL	5.7798 mL
5 mM	0.1156 mL	0.578 mL	1.156 mL
10 mM	0.0578 mL	0.289 mL	0.578 mL
50 mM	0.0116 mL	0.0578 mL	0.1156 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

- Argiolas A, Pisano JJ. Bombolitins, a new class of mast cell degranulating peptides from the venom of the bumblebee *Megabombus pennsylvanicus*. *J Biol Chem*. 1985 Feb 10;260(3):1437-44. PubMed PMID: 2578459.
- Ahmad A, Ranjan S, Zhang W, Zou J, Pyykkö I, Kinnunen PK. Novel endosomolytic peptides for enhancing gene delivery in nanoparticles. *Biochim Biophys Acta*. 2015 Feb;1848(2):544-53. doi: 10.1016/j.bbamem.2014.11.008. Epub 2014 Nov 15. PubMed PMID: 25445677.
- Schievano E, Mammi S, Monticelli L, Ciardella M, Peggion E. Conformational studies of a bombolitin III-derived peptide mimicking the four-helix bundle structural motif of proteins. *J Am Chem Soc*. 2003 Dec 17;125(50):15314-23. PubMed PMID: 14664575.
- Dohtsu K, Okumura K, Hagiwara K, Palma MS, Nakajima T. Isolation and sequence analysis of peptides from the venom of *Protonectarina sylveirae* (Hymenoptera-Vespidae). *Nat Toxins*. 1993;1(5):271-6. PubMed PMID: 7513243.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481