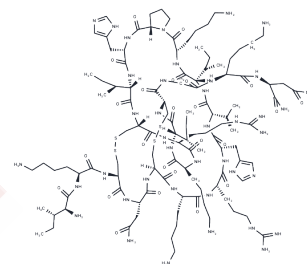


Peptide 401

Chemical Properties

CAS No. :	32908-73-9
Formula:	C ₁₁₀ H ₁₉₂ N ₄₀ O ₂₄ S ₄
Molecular Weight:	2587.22
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	Peptide 401 is an antimicrobial peptide (AMP) derived from the venom of bees and wasps. Peptide 401 induces mast cell degranulation, activating histamine release from peritoneal mast cells. Additionally, peptide 401 exhibits some anti-inflammatory activity, decreasing paw edema in animal models.
Targets(IC50)	5-HT Receptor, Histamine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3865 mL	1.9326 mL	3.8652 mL
5 mM	0.0773 mL	0.3865 mL	0.773 mL
10 mM	0.0387 mL	0.1933 mL	0.3865 mL
50 mM	0.0077 mL	0.0387 mL	0.0773 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

Hanson JM, et al. Anti-inflammatory property of 401 (MCD-peptide), a peptide from the venom of the bee *Apis mellifera* (L.). *Br J Pharmacol.* 1974 Mar;50(3):383-92.

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