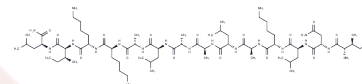


Mastoparan

Chemical Properties

CAS No. :	72093-21-1
Formula:	C70H131N19O15
Molecular Weight:	1478.91
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	Mastoparan is a peptide toxin from wasp venom. It has the chemical structure Ile-Asn-Leu-Lys-Ala-Leu-Ala-Ala-Leu-Ala-Lys-Lys-Ile-Leu-NH ₂ .
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	H ₂ O: 33.33 mg/mL (22.54 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	0.6762 mL	3.3809 mL	6.7617 mL
5 mM	0.1352 mL	0.6762 mL	1.3523 mL
10 mM	0.0676 mL	0.3381 mL	0.6762 mL
50 mM	0.0135 mL	0.0676 mL	0.1352 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

Mau SE, et al. Mastoparan, a wasp venom peptide, stimulates release of prolactin from cultured rat anterior pituitary cells. J Endocrinol. 1994 Jul;142(1):9-18.

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