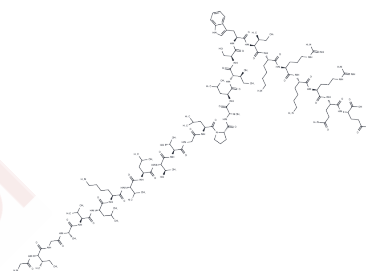


Melittin free acid

Chemical Properties

CAS No. :	123168-46-7
Formula:	C131H228N38O32
Molecular Weight:	2847.45
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	Melittin free acid, a basic 26-amino-acid polypeptide, constitutes the primary active component of honeybee venom and serves as a phospholipase A2 (PLA2) activator. Exhibiting a broad-spectrum antifungal effect, it presents MIC values ranging from 0.4-60 µM. Its mechanism includes inducing cell apoptosis, inhibiting (1,3)-β-D-glucan synthase, and engaging in multiple pathways [1] [2].
Targets(IC50)	Apoptosis, Reactive Oxygen Species, Antifungal, Phospholipase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3512 mL	1.756 mL	3.5119 mL
5 mM	0.0702 mL	0.3512 mL	0.7024 mL
10 mM	0.0351 mL	0.1756 mL	0.3512 mL
50 mM	0.007 mL	0.0351 mL	0.0702 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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