

## Melittin (C-Term Cysteine labeled) TFA

## Chemical Properties

CAS No. :

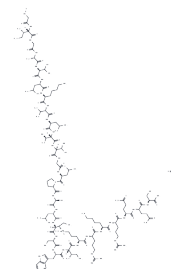
Formula: C136H235F3N40O34S

Molecular Weight: 3063.63

Keep away from moisture, Store at low temperature

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Melittin (C-Term Cysteine labeled) TFA is a cell-toxic peptide from bee venom. The peptide has a cysteine residue at the C-terminus and can be used for the synthesis of membrane-lysing polymers.
Targets(IC50)	Others

## Solubility Information

Solubility	30% ACN/H2O: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3264 mL	1.6321 mL	3.2641 mL
5 mM	0.0653 mL	0.3264 mL	0.6528 mL
10 mM	0.0326 mL	0.1632 mL	0.3264 mL
50 mM	0.0065 mL	0.0326 mL	0.0653 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

Peeler David J, et al. pH-sensitive polymer micelles provide selective and potentiated lytic capacity to venom peptides for effective intracellular delivery. *Biomaterials* 192 (2019): 235-244.

Schellinger Joan G, et al. Melittin-grafted HPMA-oligolysine based copolymers for gene delivery. *Biomaterials* 34.9 (2013): 2318-2326.

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