

$\alpha$ -Conotoxin MII TFA

## Chemical Properties

CAS No. :

Formula: C<sub>69</sub>H<sub>104</sub>F<sub>3</sub>N<sub>23</sub>O<sub>24</sub>S<sub>4</sub>

Molecular Weight: 1824.96

Keep away from moisture

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	$\alpha$ -Conotoxin MII TFA ( $\alpha$ -CTxMII TFA), a peptide of 16 amino acids derived from Conus magus venom, selectively inhibits nicotinic acetylcholine receptors (nAChRs) composed of $\alpha$ 3 $\beta$ 2 subunits with an IC <sub>50</sub> of 0.5 nM and effectively targets $\beta$ 3-containing neuronal nicotinic receptors. [1] [2] [3]
Targets(IC50)	AChR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.548 mL	2.7398 mL	5.4796 mL
5 mM	0.1096 mL	0.548 mL	1.0959 mL
10 mM	0.0548 mL	0.274 mL	0.548 mL
50 mM	0.011 mL	0.0548 mL	0.1096 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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