

Ceratoxin A acetate

Chemical Properties

CAS No. :

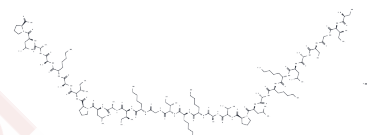
Formula: C137H247N35O34

Molecular Weight: 2928.64

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	Ceratoxin A acetate is isolated from the accessory gland secretion fluid, with anti-bacterial effects.
Targets(IC50)	Antibacterial
In vitro	Ceratoxin A acetate is effective against Escherichia coli ATCC 23739, Pseudomonas aeruginos ATCC 27853, and Bacillus subtilis ATCC 6633 with MICs of 7, 7, and 3.5 μ M[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3415 mL	1.7073 mL	3.4146 mL
5 mM	0.0683 mL	0.3415 mL	0.6829 mL
10 mM	0.0341 mL	0.1707 mL	0.3415 mL
50 mM	0.0068 mL	0.0341 mL	0.0683 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

Marri L, et al. The novel antibacterial peptide ceratoxin A alters permeability of the inner and outer membrane of Escherichia coli K-12. *Curr Microbiol.* 1996 Jul;33(1):40-3.

Marchini D, et al. Purification and primary structure of ceratoxin A and B, two antibacterial peptides from the female reproductive accessory glands of the medfly *Ceratitis capitata* (Insecta:Diptera). *Insect Biochem Mol Biol.* 1993 Jul;23(5):591-8.

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