

$\alpha$ O-Conotoxin GeXIVA

## Chemical Properties

CAS No. :	2010167-25-4
Formula:	C139H227N55O41S4
Molecular Weight:	3452.89
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	$\alpha$ O-Conotoxin GeXIVA, a potent antagonist of the $\alpha$ 9 $\alpha$ 10 nicotinic acetylcholine receptor (nAChR), exhibits an inhibition concentration 50 (IC50) of 12 nM against rat $\alpha$ 9 $\alpha$ 10 nAChRs. This compound has demonstrated analgesic properties in animal pain models [1].
Targets(IC50)	AChR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2896 mL	1.4481 mL	2.8961 mL
5 mM	0.0579 mL	0.2896 mL	0.5792 mL
10 mM	0.029 mL	0.1448 mL	0.2896 mL
50 mM	0.0058 mL	0.029 mL	0.0579 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481