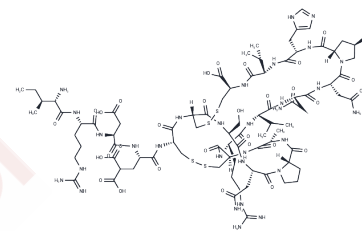


α -Conotoxin GID

Chemical Properties

CAS No. :	547741-78-6
Formula:	C84H132N30O31S4
Molecular Weight:	2186.39
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	α -Conotoxin GID is a paralytic peptide neurotoxin that selectively antagonizes nAChR with IC ₅₀ values of 5 nM (α 7), 3 nM (α 3 β 2), and 150 nM (α 4 β 2). This small, disulfide-rich peptide has potential for chronic pain inhibition. The presence of a C-terminal carboxylate is crucial, as substitution with a C-terminal carboxamide results in loss of activity against α 4 β 2 nAChR. Derived from species of the genus Conus [1] [2] [3].
Targets(IC50)	AChR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4574 mL	2.2869 mL	4.5737 mL
5 mM	0.0915 mL	0.4574 mL	0.9147 mL
10 mM	0.0457 mL	0.2287 mL	0.4574 mL
50 mM	0.0091 mL	0.0457 mL	0.0915 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