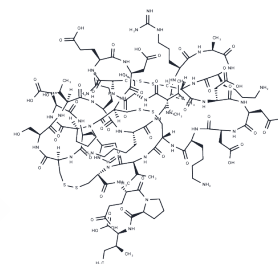


GaTx2

## Chemical Properties

CAS No. :	194665-85-5
Formula:	C125H199N39O47S6
Molecular Weight:	3192.54
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	Very high affinity CLC-2 blocker (apparent KD ~ 50 pM). Slows CLC-2 activation and inhibits slow-gating but does not inhibit open CLC-2 channels. Selective for CLC-2 over other CLC family members (CLC-0, CLC-1, CLC-3 and CLC-4), CFTR, GABAC, CaCC and KV1.2.
Targets(IC50)	Chloride channel

## Solubility Information

Solubility	H2O: 1 mg/mL (0.31 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3132 mL	1.5662 mL	3.1323 mL
5 mM	0.0626 mL	0.3132 mL	0.6265 mL
10 mM	0.0313 mL	0.1566 mL	0.3132 mL
50 mM	0.0063 mL	0.0313 mL	0.0626 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

- Schiffhauer et al (2013) Dual activation of CFTR and CLCN2 by lubipro. in murine nasal epithelia. Am.J.Physiol.Lung Cell Mol.Physiol. 304 L324 PMID:  
Thompson et al (2009) Isolation and characterization of a high affinity peptide inhibitor of CLC-2 chloride channels. J.Biol.Chem. 284 26051 PMID:

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