

Guangxitoxin 1E

Chemical Properties

CAS No. :	1233152-82-3
Formula:	C178H248N44O45S7
Molecular Weight:	3948.61
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	Guangxitoxin 1E acts as a gating modifier since it shifts the voltage-dependence of Kv2.1 K ⁺ currents towards depolarized potentials.
Targets(IC50)	Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2533 mL	1.2663 mL	2.5325 mL
5 mM	0.0507 mL	0.2533 mL	0.5065 mL
10 mM	0.0253 mL	0.1266 mL	0.2533 mL
50 mM	0.0051 mL	0.0253 mL	0.0507 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

Hönigsperger C, et al. Physiological roles of Kv2 channels in entorhinal cortex layer II stellate cells revealed by Guangxitoxin-1E. J Physiol. 2017 Feb 1;595(3):739-757.

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