
Product Data Sheet

Product Name: Guangxitoxin 1E

Cat. No.: GC50231

Chemical Properties

Cas. No. 1233152-82-3

Formula $C_{178}H_{248}N_{44}O_{45}S_7$

M.Wt 3948.61

Solubility $H_2O : \geq 1 \text{ mg/mL (0.25 mM)}$ Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Kv2.1 and Kv2.2 channel blocker (IC50 values are 1-3 nM). Enhances glucose-stimulated insulin secretion from human islets in vitro, but not from islet cells lacking the Kv2.1 channel. Has no significant effect on plasma insulin, glucagon or blood glucose levels in mice, but increases plasma somatostatin levels.

Li et al (2013) The role of voltage-gated potassium channels Kv2.1 and Kv2.2 in the regulation of Ins and somatostatin release from pancreatic islets. J.Pharmacol.Exp.Ther. 344 407 PMID:23161216 |Herrington (2007) Gating modifier peptides as probes of pancreatic beta-cell physiology. Toxicol 49 231 PMID:17101164

Caution: Product has not been fully validated for medical applications. For research use only.

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