

---

**Product Data Sheet**

---

Product Name:  $\alpha$ -Conotoxin GI

Cat. No.: GC26093

**Chemical Properties**

Cas. No. 76862-65-2

Formula C<sub>55</sub>H<sub>80</sub>N<sub>20</sub>O<sub>18</sub>S<sub>4</sub>

M.Wt 1437.61

Solubility DMSO: 100 mg/mL (69.56 mM); Water: 50 mg/mL (34.78 mM); Ethanol: Insoluble

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 sizes: ship with RT, or blue ice upon request.

Structure **Background**

$\alpha$ -Conotoxin GI, a 13-residue peptide originally isolated from the venom of the fish-hunting cone snail *Conus geographus*, acts as a competitive antagonist for the muscle-type nicotinic acetylcholine receptor (nAChR) with excellent selectivity for  $\alpha/\delta$  receptor subunit binding over  $\alpha/\gamma$ .

[1] Knuhtsen A, et al. *Chem. Sci.*, 2019, 10, 1671-1676.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA