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## Product Data Sheet

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Product Name: ProTx III  
Cat. No.: GC50264

### Chemical Properties

Cas. No.

Formula  $C_{162}H_{246}N_{52}O_{43}S_6$  M.Wt 3802.41

Solubility Soluble in DMSO 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

Potent Nav1.7 blocker (IC<sub>50</sub> = 2.5 nM). Also inhibits Nav1.1, Nav1.2, Nav1.3 and Nav1.6 in the nanomolar range. Exhibits no effects on Cav channels or nAChR at 5 μM. Demonstrates analgesic activity in vivo; antagonizes effects of scorpion-venom toxin OD1 at Nav1.7.

Cardoso et al (2015) Identification and characterization of ProTx-III [ $\mu$ -TRTX-Tp1a], a new voltage-gated sodium channel inhibitor from venom of the tarantula thrixopelma pruriens. Mol.Pharmacol. 88 291 PMID:25979003

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

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