

Product Data Sheet

Product Name: Charybdotoxin TFA

Cat. No.: GC61534

Chemical Properties

Cas. No.

Formula $C_{176}H_{277}N_{57}O_{55}S_7 \cdot C_2HF_3O_2$ M.Wt 4409.91

Solubility Storage -20°C, protect from light

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

{Glp}-FTNVSCCTSKECWSVCQRLHNTSRGKCMNKKCRCYS
(Disulfide bridge: Cys7-Cys28; Cys13-Cys33; Cys17-Cys35) (TFA salt)

Background

Charybdotoxin TFA, a 37-amino acid peptide isolated from venom of the scorpion *Leiurus quinquestriatus* var. *hebraeus*, is a K⁺ channel blocker[1].

Charybdotoxin represents a remarkable tool for studying K⁺ channels[1].

[1]. M L Garcia, et al. Charybdotoxin and its effects on potassium channels. *Am J Physiol.* 1995 Jul;269(1 Pt 1):C1-10.

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

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