abcam

Product datasheet

Charybdotoxin, K+ channel blocker ab120269

4 References 1 Image

Overview

Product name Charybdotoxin, K+ channel blocker

Description K⁺ channel blocker

Biological descriptionBlocks KCa1.1 (large conductance Ca²⁺ activated K⁺, Slo) channels in nanomolar concentrations

as well as Kv1.2 ($K_d = 14 \text{ nM}$) and Kv1.3 ($K_d = 2.6 \text{ nM}$) channels.

CAS Number 95751-30-7

Chemical structure Glp-Phe-Thr-Asn-Val-Ser-Cys-Thr-Thr-Ser-Lys-Glu-Cys-Trp-Ser-Val-Cys-

GIn-Arg-Leu-His-Asn-Thr-Ser-Arg-Gly-Lys-Cys-Met-Asn-Lys-Lys-Cys-Arg-

Cys-Tyr-Ser (Disulfide bridges: 7-28, 13-33 and 17-35)

Properties

Molecular weight 4295.89

Molecular formula $C_{176}H_{277}N_{57}O_{55}S_7$

Sequence XFTNVSCTTSKECWSVCQRLHNTSRGKCMNKKCRCYS (Modifications: X-1 = Glp; Disulfide

bonds: 7-28, 13-33, 17-35)

PubChem identifier 56842037

Storage instructions Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12

months.

Solubility overview Soluble in water

Handling Wherever possible, you should prepare and use solutions on the same day. However, if you need

to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one week. Before use, and

prior to opening the vial we recommend that you allow your product to equilibrate to room

temperature for at least 1 hour.

Refer to SDS for further information

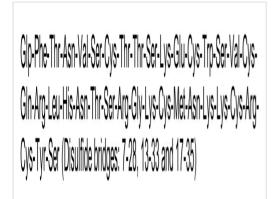
Need more advice on solubility, usage and handling? Please visit our frequently asked

questions (FAQ) page for more details.

Source Synthetic

Images

1



Chemical Structure - Charybdotoxin, K+ channel blocker (ab120269)

2D chemical structure image of ab120269, Charybdotoxin, K+channel blocker

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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