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DATASHEET

Psalmotoxin 1

Product overview

Name	Psalmotoxin 1
Cat No	HB1148
Alternative names	PcTx1
Biological action	Blocker
Purity	>98%
Description	Potent, selective ASIC1a blocker

Images



Biological Data

Biological description	Potent and selective acid sensing (proton gated) ion channel 1a (ASIC1a) blocker ($IC_{50} = 0.9$ nM). Shows antinociceptive and neuroprotective actions.
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Solubility & Handling

Storage instructions	-20 °C
Solubility overview	Soluble in water (2mg/ml)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Molecular Weight	4689.41
Chemical structure	
Molecular Formula	$C_{200}H_{312}N_{62}O_{57}S_6$
CAS Number	316808-68-1
PubChem identifier	90489000
SMILES	<chem>[H]N[C@@H](CCC(O)=O)C(=O)N[C@@H](CC(O)=O)C(=O)N[C@@H]1CSSC[C@@H]2NC(=O)[C@@H]3CSSC[C@H](NC(=O)[C@@H](NC(=O)[C@H](CCC(O)=O)NC(=O)[C@H](CC4=CC=CC=C4)NC(=O)[C@H](CO)NC(=O)[C@H](CCCNC(N)=N)NC(=O)[C@H](CCCNC(N)=N)NC(=O)[C@H](CCCNC(N)=N)NC(=O)[C@H](CCCCN)NC(=O)[C@H](CC4=CNC5=C4C=CC=C5)NC(=O)[C@H](CSC[C@H](NC(=O)CNC(=O)[C@H](CCCCN)NC(=O)[C@H](CC4=CNC5=C4C=CC=C5)NC(=O)[C@H](C</chem>

