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DATASHEET

ICA 121431

Product overview

Name	ICA 121431
Cat No	HB1017
Biological action	Inhibitor
Purity	>98%
Description	Potent, selective Na _v 1.3 / Na _v 1.1 channel inhibitor

Images



Biological Data

Biological description	Potent and selective Na _v 1.3 and Na _v 1.1 channel inhibitor (IC ₅₀ = 19 nM at Na _v 1.3). Acts at an inhibitory interaction site.
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Solubility & Handling

Storage instructions	+4 °C
Solubility overview	Soluble in DMSO (100mM)
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

Chemical name	α-Phenyl-N-[4-[(2-thiazolylamino)sulfonyl]phenyl]benzeneacetamide
Molecular Weight	449.55
Chemical structure	

Molecular Formula	C ₂₃ H ₁₉ N ₃ O ₃ S ₂
CAS Number	313254-51-2
PubChem identifier	998021
SMILES	O=S(C1=CC=C(NC(C4=CC=CC=C4)C3=CC=CC=C3)=O)C=C1)(NC2=NC=CS2)=O

InChi	InChI=1S/C23H19N3O3S2/c27-22(21(17-7-3-1-4-8-17)18-9-5-2-6-10-18)25-19-11-13-20(14-12-19)31(28,29)26-23-24-15-16-30-23/h1-16,21H,(H,24,26)(H,25,27)
InChiKey	URSQNPPONHUJDL-UHFFFAOYSA-N
MDL number	MFCD00992334

References

Voltage sensor interaction site for selective small molecule inhibitors of voltage-gated sodium channels.

McCormack K *et al* (2013) Proc Natl Acad Sci U S A 110(29)

PubMedID [23818614](#)
