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DATASHEET

Zonisamide

Product overview

Name	Zonisamide
Cat No	HB0675
Alternative names	AD 810, CI 912
Biological action	Blocker
Purity	>99%
Description	Non-selective Na ⁺ / Ca ²⁺ channel blocker

Images



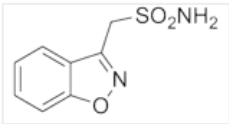
Biological Data

Biological description	Non-selective voltage-dependent Na ⁺ and T-type Ca ²⁺ channel blocker. Enhances BK(Ca) channels by increasing the time they are open. Scavenges free radicals and influences monoamine, glutamate and GABA neurotransmission. Acts as an anti-epileptic and shows neuroprotective and some anti-Parkinsonian actions.
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Solubility & Handling

Storage instructions	+4 °C
Solubility overview	Soluble in water (10mM) or 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	1,2-Benzisoxazole-3-methanesulfonamide
Molecular Weight	212.22
Chemical structure	
Molecular Formula	C ₈ H ₈ N ₂ O ₃ S
CAS Number	68291-97-4

Chemical name	1,2-Benzisoxazole-3-methanesulfonamide
PubChem identifier	5734
SMILES	<chem>NS(=O)(=O)CC1=NOC2=CC=CC=C12</chem>
InChiKey	UBQNRHZMVUUOMG-UHFFFAOYSA-N

References

Zonisamide: a new antiepileptic drug.

Sobieszek G *et al* (2003) Pol J Pharmacol 55(5)

PubMedID [14704463](#)

Activation by zonisamide, a newer antiepileptic drug, of large-conductance calcium-activated potassium channel in differentiated hippocampal neuron-derived H19-7 cells.

Huang CW *et al* (2007) J Pharmacol Exp Ther 321(1)

PubMedID [17255467](#)

Zonisamide attenuates α -synuclein neurotoxicity by an aggregation-independent mechanism in a rat model of familial Parkinson's disease.

Arawaka S *et al* (2014) PLoS One 9(2)

PubMedID [24586512](#)
