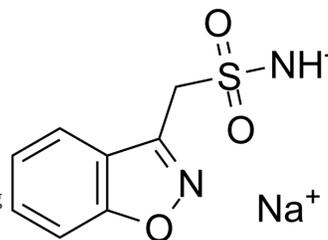


Zonisamide sodium

Cat. No.:	HY-B0124A
CAS No.:	68291-98-5
Molecular Formula:	C ₈ H ₇ N ₂ NaO ₃ S
Molecular Weight:	234.21
Target:	Carbonic Anhydrase; Calcium Channel; Sodium Channel
Pathway:	Metabolic Enzyme/Protease; Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Zonisamide sodium (AD 810 sodium) is an inhibitor of zinc enzyme carbonic anhydrase (CA), with K _i s of 35.2 nM and 20.6 nM for human mitochondrial isozyme hCA II and hCA V, respectively. Zonisamide sodium has antiepileptic activity. Zonisamide sodium can be used for the research for epilepsy, seizures and Parkinson's disease ^{[1][2]} .
IC ₅₀ & Target	Ki: 35.2μM (hCA II) , 20.6 nM (hCA V) ^[2]

REFERENCES

- [1]. Peters DH, et al. Zonisamide. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in epilepsy. *Drugs*. 1993 May;45(5):760-87.
- [2]. Giuseppina De Simone, et al. Carbonic anhydrase inhibitors. Zonisamide is an effective inhibitor of the cytosolic isozyme II and mitochondrial isozyme V: solution and X-ray crystallographic studies. *Bioorg Med Chem Lett*. 2005 May 2;15(9):2315-20.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA