Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

Zonisamide (sodium)

Catalog No: tcsc1889

Available Sizes

Size: 200mg

Size: 500mg

Specifications

CAS No:
68291-98-5

Formula:
$C_8H_7N_2NaO_3S$

Pathway:
Membrane Transporter/Ion Channel;Membrane Transporter/Ion Channel

Target:
Calcium Channel;Sodium Channel

Purity / Grade:
>98%

Solubility:
10 mM in DMSO

Alternative Names:
AD 810 sodium;CI 912 sodium

Observed Molecular Weight:
234.21

Product Description

Zonisamide sodium is a 1,2 benzisoxazole derivative and the first agent of this chemical class to be developed as an antiepileptic drug.

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Target: Calcium channel inhibitor; Sodium channel inhibitor

Zonisamide sodium is a sulfonamide anticonvulsant approved for use as an adjunctive therapy in adults with partial-onset seizures for adults; infantile spasm, mixed seizure types of Lennox-Gastaut syndrome, myoclonic, and generalized tonic clonic seizure. Zonisamide sodium is a 1,2 benzisoxazole derivative and the first agent of this chemical class to be developed as an antiepileptic drug. It has shown activity in various animal models of epilepsy, and although a detailed mode of action awaits clarification it appears to block the propagation/spread of seizure discharges and to suppress the epileptogenic focus [1].

Zonisamide sodium 500 mg/day was significantly superior to placebo in reducing the frequency of complex partial seizures (-51% versus -16%), all partial seizures and all seizures, with dose-dependent benefit provided over a 100-500 mg/day dose range. Supporting trials have confirmed significant increases in reduction in median seizure frequency (up to 41%) and responder rates (35-42%) compared with placebo following zonisamide sodium 400-600 mg/day, enabling 20-27% of patients to attain >or=75% reduction in seizure frequency [2].

Clinical indications: Epilepsy; Lewy body dementia; Parkinsons disease

Toxicity: Anorexia; Somnolence; Dizziness; Irritability; Confusional state; Depression; Diplopia; Memory impairment