

Zonisamide (Cas No 68291-97-4)



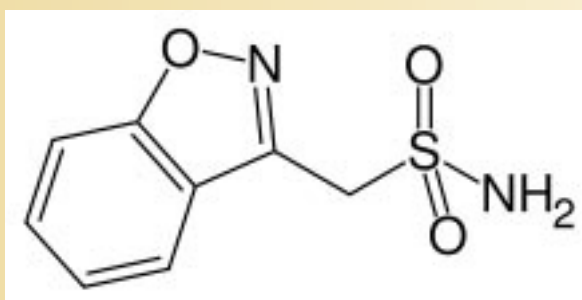
Zonisamide

CAS number 68291-97-4

Formula Structure :

Systematic (IUPAC) name

1,2-benzisoxazole-3-methanesulfonamide



Identifiers

CAS number 68291-97-4

ATC code N03AX15

PubChem 5734

DrugBank APRD00004

Chemical data

Formula C₈H₈N₂O₃S Mol. mass 212.227 g/mol

Physical data

Melt. point 162 °C (324 °F)

Pharmacokinetic data

Bioavailability Protein binding 40%

Metabolism Hepatic

Half life 105 hours in red blood cells, 63 hours in plasma

Excretion Renal

Therapeutic considerations

Prescription only

Routes Oral

zonisamide is an antiseizure drug chemically classified as a sulfonamide and unrelated to other antiseizure agents. The active ingredient is zonisamide, 1,2-benzisoxazole-3-methanesulfonamide.

The empirical formula is C₈H₈N₂O₃S with a molecular weight of 212.23. Zonisamide is a white powder, pKa = 10.2, and is moderately soluble in water (0.80 mg/mL) and 0.1 N HCl (0.50 mg/mL).