

## Zolmitriptan (Cas No 139264-17-8)



Zolmitriptan

CAS number 139264-17-8

Systematic (IUPAC) name

(4S)-4-[(3-[2-(dimethylamino)ethyl]-1H-indol-5-yl)methyl]-1,3-oxazolidin-2-one

Identifiers

CAS number 139264-17-8

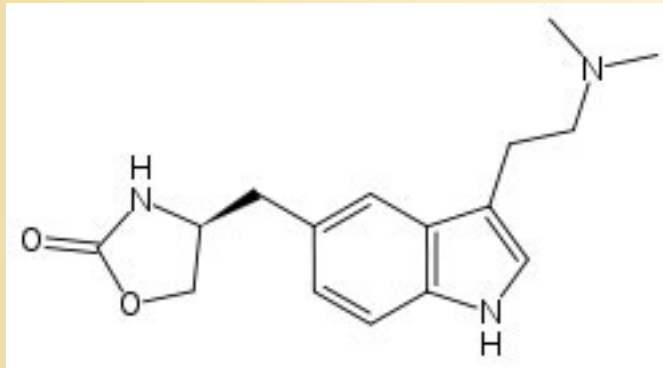
ATC code N02CC03

PubChem 60857

DrugBank APRD00376

Chemical data

Formula C<sub>16</sub>H<sub>21</sub>N<sub>3</sub>O<sub>2</sub> Mol. mass 287.357 g/mol



Pharmacokinetic data

Bioavailability 40% (oral)

Protein binding 25%

Metabolism Half life 3 hours

Excretion Renal (65%) and fecal (35%)

Therapeutic considerations

Pregnancy cat. B3(AU) C(US)

Routes Oral, nasal spray

Zolmitriptan is a selective 5-hydroxytryptamine 1B/1D (5-HT<sub>1B/1D</sub>) receptor agonist. Zolmitriptan is chemically designated as (S)-4-[[3-[2-(dimethylamino)ethyl]-1H-indol-5-yl]methyl]-2-oxazolidinone.

The empirical formula is C<sub>16</sub>H<sub>21</sub>N<sub>3</sub>O<sub>2</sub>, representing a molecular weight of 287.36. Zolmitriptan is a white to almost white powder that is readily soluble in water. ZOMIG Tablets are available as 2.5 mg (yellow) and 5 mg (pink) film coated tablets for oral administration.

The film coated tablets contain anhydrous lactose NF, microcrystalline cellulose NF, sodium starch glycolate NF, magnesium stearate NF, hydroxypropyl methyl-cellulose USP, titanium dioxide USP, polyethylene glycol 400 NF, yellow iron oxide NF (2.5 mg tablet), red iron oxide NF (5 mg tablet), and polyethylene glycol 8000 NF.