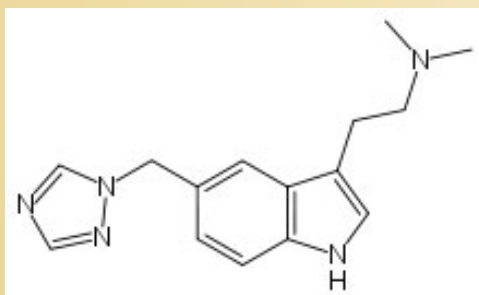


## Rizatriptan (Cas No 145202-66-0)



Rizatriptan CAS number 145202-66-0

Formula Structure :



Systematic (IUPAC) name

N,N-dimethyl-2-[5-(1H-1,2,4-triazol-1-ylmethyl)-1H-indol-3-yl]ethanamine

Identifiers

CAS number 145202-66-0

ATC code N02CC04

PubChem 5078

DrugBank APRD00008

Chemical data

Formula C<sub>15</sub>H<sub>19</sub>N<sub>5</sub> Mol. mass 269.345 g/mol

Pharmacokinetic data

Bioavailability 45%

Protein binding 14%

Metabolism by monoamine oxidase

Half life 2–3 hours

Excretion 82% urine; 12% faeces

This medication is used to treat acute migraine attacks. This drug does not prevent future migraine attacks.

Rizatriptan contains selective 5-hydroxytryptamine<sub>1B/1D</sub> (5-HT<sub>1B/1D</sub>) receptor agonist.

Rizatriptan is described chemically as: N,N-dimethyl-5-(1H-1,2,4-triazol-1-ylmethyl)-1H-indole-3-ethanamine mono and its structural formula is C<sub>15</sub>H<sub>19</sub>N<sub>5</sub>•C<sub>7</sub>H<sub>6</sub>O<sub>2</sub>, representing a molecular weight of the free base of 269.4.

Rizatriptan is a white to off-white, crystalline solid that is soluble in water at about 42 mg per mL (expressed as free base) at 25°C.