

## Valdecoxib (Cas No 181695-72-7)



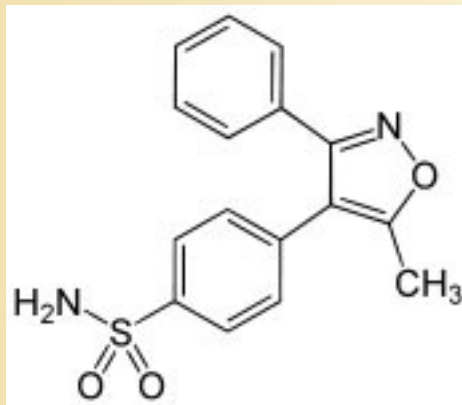
Valdecoxib

CAS number 181695-72-7

Formula Structure :

Systematic (IUPAC) name

4-(5-methyl-3-phenylisoxazol-4-yl)benzenesulfonamide



Identifiers

CAS number 181695-72-7

ATC code M01AH03

PubChem 119607

DrugBank APRD00183

Chemical data

Formula C<sub>16</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub>S Mol. mass 314.364 g/mol

Pharmacokinetic data

Bioavailability 83%

Protein binding 98%

Metabolism Hepatic (CYP3A4 and 2C9 involved)

Half life 8 to 11 hours

Excretion Renal

Therapeutic considerations

Pregnancy cat. C(AU) May cause premature closure of the ductus arteriosus

Routes Oral.

Valdecoxib is in a class of drugs called nonsteroidal anti-inflammatory drugs (NSAIDs). Valdecoxib works by reducing substances in the body that cause inflammation, pain, and fever.

Valdecoxib is used to reduce pain, inflammation, and stiffness caused by osteoarthritis and adult rheumatoid arthritis. Valdecoxib is also used to treat painful menstruation.