

## Cefalexin (Cas No 15686-71-2)



### Cefalexin

CAS number 15686-71-2

Systematic (IUPAC) name

(6R,7R)-7-[[[(2R)-2-amino-2-phenylacetyl]amino]- 3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene- 2-carboxylic acid

### Identifiers

CAS number 15686-71-2

ATC code J01DB01

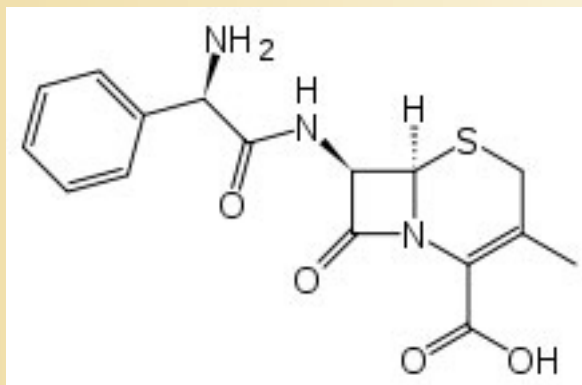
PubChem 2666

DrugBank APRD00250

ChemSpider 25541

### Chemical data

Formula C<sub>16</sub>H<sub>17</sub>N<sub>3</sub>O<sub>4</sub>S Mol. mass 347.39 g/mol



### Pharmacokinetic data

Bioavailability Well absorbed

Metabolism 90% excreted unchanged

Half life 0.9 hours

Excretion Renal

Therapeutic considerations

Pregnancy cat A(AU) B(US)

Legal status Routes Oral

Cefalexin is used to treat urinary tract infections, respiratory tract infections, and skin and soft tissue infections. It is also sometimes used to treat acne.

Cephalexin is a cephalosporin antibiotic used to treat bacterial infections of the upper respiratory tract, the middle ear, the bones, the skin, and the reproductive and urinary systems. Cephalexin (cefalexin) works by interfering with the bacteria's cell wall formation. This weakens the cell wall, causing it to rupture, and kills the bacteria.

As cephalexin is only effective against certain types of bacterial infection your doctor may perform tests to identify the organisms causing the infection before beginning treatment .