

## Paroxetine (Cas No 61869-08-7)



Paroxetine

CAS number 61869-08-7

Paroxetine is a selective serotonin reuptake inhibitor (SSRI) antidepressant.

Paroxetine is primarily used to treat the symptoms of major depression, obsessive-compulsive disorder (OCD), post-traumatic stress disorder (PTSD), panic disorder, generalized anxiety disorder (GAD), social phobia/social anxiety disorder, and premenstrual dysphoric disorder (PMDD).

Systematic (IUPAC) name

(3S,4R)- 3-([benzo[d][1,3]dioxol-5-yloxy] methyl)- 4-(4-fluorophenyl) piperidine

Identifiers

ATC code N06AB05

PubChem 43815

DrugBank APRD00364

ChemSpider 39888

Chemical data

Formula C<sub>19</sub>H<sub>20</sub>FNO<sub>3</sub> Mol. mass 329.3

SMILES eMolecules & PubChem

Pharmacokinetic data

Bioavailability Completely absorbed from GI, but extensive first-pass metabolism in the liver; T<sub>max</sub> 4.9 (with meals) to 6.4 hours (fasting)

Protein binding 93–95%

Metabolism Extensive, hepatic (mostly CYP2D6-mediated)

Half life 24 hours (range 3–65 hours)

Excretion 64% in urine, 36% in bile

Therapeutic considerations

License data Pregnancy cat. Legal status Prescription only

Routes Oral

