

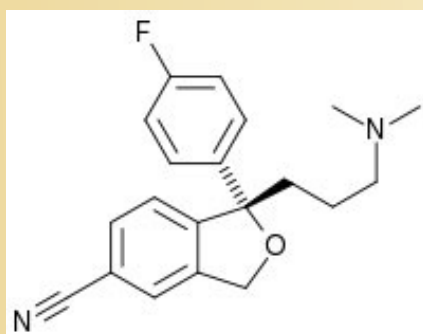
Escitalopram (Cas No 128196-01-0)



Escitalopram

CAS number 128196-01-0

Structural Formula :



Systematic (IUPAC) name

(S)-1-[3-(dimethylamino)propyl]-1-(4-fluorophenyl)-1,3-dihydroisobenzofuran-5-carbonitrile

Identifiers

CAS number 128196-01-0

ATC code N06AB10

PubChem 146570

DrugBank APRD00683

ChemSpider 129277

Chemical data

Formula C₂₀H₂₁FN₂O Mol. mass 324.392 g/mol

(414.40 as oxalate)

SMILES eMolecules & PubChem

Pharmacokinetic data

Bioavailability 80%

Protein binding ~56%

Metabolism Liver, specifically the enzymes CYP3A4 and CYP2C19

Half life 27–32 hours

Escitalopram is the pure enantiomer of racemic citalopram and is a selective serotonin reuptake inhibitor (SSRI). Escitalopram is used in the treatment of depression and anxiety.