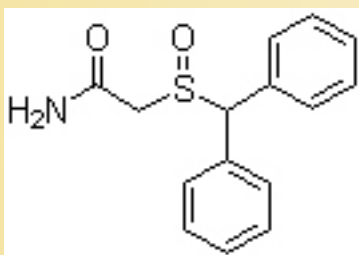


Modafinil (Cas No 68693-11-8)



Molecular Structure



Modafinil

Molecular Formula C₁₅H₁₅NO₂S

Molecular Weight 273.35

CAS Registry Number 68693-11-8

ATC code N06BA07

PubChem 4236

DrugBank APRD00534

Chemical data

Formula C₁₅H₁₅NO₂S Mol. mass 273.35

SMILES eMolecules & PubChem

Physical data

Melt. point 164–166 °C (327–331 °F)

Solubility in water 0.622 mg/mL (20 °C)

Pharmacokinetic data

Bioavailability Not determined due to the aqueous insolubility

Protein binding 60%

Metabolism Hepatic, including CYP3A4 and other pathways

Half life 10–12 hours

Excretion Urine (as metabolites)