

Ondansetron Base (Cas No 116002-70-1)



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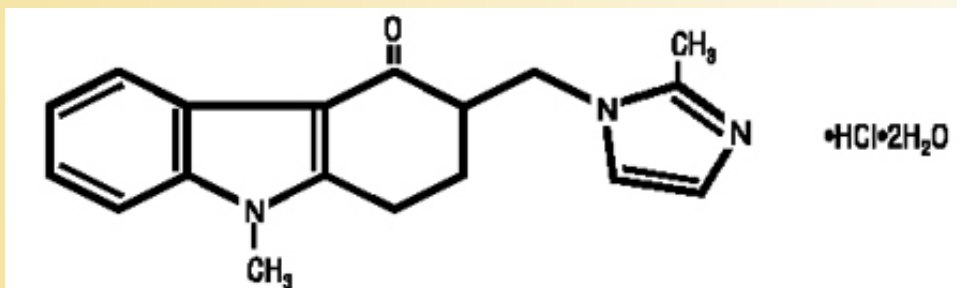
CAS number 116002-70-1

ATC code A04AA01

PubChem 4595

DrugBank APRD00481

ChemSpider 4434



Chemical data

Formula C₁₈H₁₉N₃O Mol. mass 325.9 g/mol

SMILES eMolecules & PubChem

Pharmacokinetic data

Bioavailability ~60%

Protein binding 70%-76%

Metabolism Hepatic (CYP3A4, CYP1A2, CYP2D6)

Half life 5.7 hours

ondansetron hydrochloride (HCl), the racemic form of ondansetron and a selective blocking agent of the serotonin 5-HT₃ receptor type. Chemically it is (±) 1, 2, 3, 9-tetrahydro-9-methyl-3-[(2-methyl-1H-imidazol-1-yl)methyl]-4H-carbazol-4-one, monohydrochloride, dihydrate.

The empirical formula is C₁₈H₁₉N₃O•HCl•2H₂O, representing a molecular weight of 365.9.

Ondansetron HCl is a white to off-white powder that is soluble in water and normal saline.