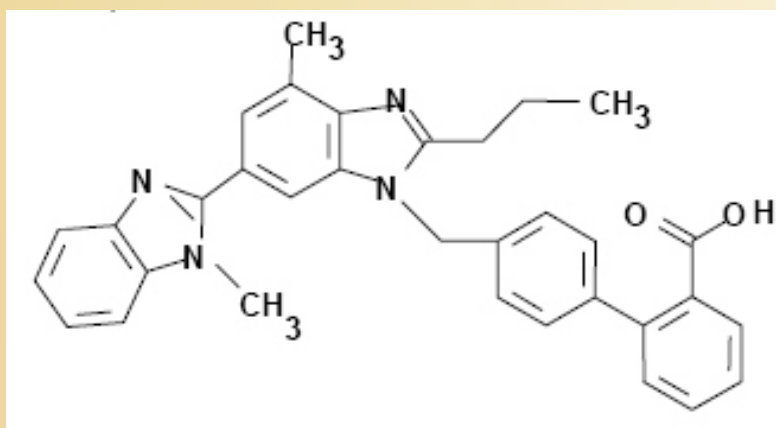


Telmisartan (Cas No 144701-48-4)



Telmisartan
CAS number 144701-48-4

Formula Structure :



Systematic (IUPAC) name

2-(4-[[4-methyl-6-(1-methyl-1H-1,3-benzodiazol-2-yl)-2-propyl-1H-1,3-benzodiazol-1-yl]methyl]phenyl)benzoic acid

Identifiers

CAS number 144701-48-4

ATC code C09CA07

PubChem 65999

DrugBank APRD01247

Chemical data

Formula C₃₃H₃₀N₄O₂ Mol. mass 514.617 g/mol

Pharmacokinetic data

Bioavailability 42–100%

Protein binding ≥99.5%

Metabolism Minimal hepatic

Half life 24 hours

Excretion Faecal 97%

Telmisartan is a nonpeptide angiotensin II receptor antagonist. Telmisartan is chemically described as 4'-[[[1,4'-dimethyl-2'-propyl [2,6'-bi-1H-benzimidazol]-1'-yl]methyl]-[1,1'-biphenyl]-2-carboxylic acid.

Its empirical formula is C₃₃H₃₀N₄O₂, its molecular weight is 514.63. Telmisartan is a white to slightly yellowish solid.

It is practically insoluble in water and in the pH range of 3 to 9, sparingly soluble in strong acid (except insoluble in hydrochloric acid), and soluble in strong base.