
Product Data Sheet

Product Name: Olmesartan methyl ester

Cat. No.: GC61154

Chemical Properties

Cas. No. 1347262-29-6

SMILES O=C(C1=C(C(C)(O)C)N=C(CCC)N1CC2=CC=C(C3=CC=CC=C3C4=NNN=N4)C=C2)OCFormula $C_{25}H_{28}N_6O_3$ M.Wt 460.53

Solubility DMSO : 100 mg/mL (217.14 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Olmesartan methyl ester is an intermediate in the synthesis of Olmesartan medoxomil. Olmesartan medoxomil is a potent and selective angiotensin AT1 receptor antagonist with IC50 of 66.2 μ M[1][2].

[1]. Dimitrios Ntountaniotis, et al. An efficient synthetic method and theoretical calculations of olmesartan methyl ether: study of biological function of AT1 antagonism. Comb Chem High Throughput Screen. 2014;17(8):652-62. [2]. Senda A, et al. Effects of Angiotensin II Receptor Blockers on Metabolism of Arachidonic Acid via CYP2C8. Biol Pharm Bull. 2015;38(12):1975-9.

Caution: Product has not been fully validated for medical applications. For research use only.

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