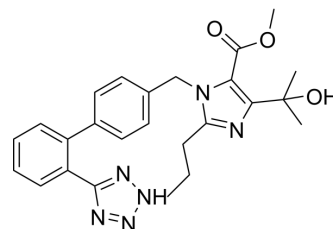


Olmesartan methyl ester

Cat. No.:	HY-131278		
CAS No.:	1347262-29-6		
Molecular Formula:	C ₂₅ H ₂₈ N ₆ O ₃		
Molecular Weight:	460.53		
Target:	Angiotensin Receptor		
Pathway:	GPCR/G Protein		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (217.14 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1714 mL	10.8571 mL	21.7141 mL
	5 mM	0.4343 mL	2.1714 mL	4.3428 mL
	10 mM	0.2171 mL	1.0857 mL	2.1714 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

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 μM^{[1][2]}.

IC₅₀ & Target

AT1 Receptor

REFERENCES

[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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