

Olmesartan

Catalog No: tcsc0576



Available Sizes

Size: 100mg

Size: 500mg



Specifications

CAS No:

144689-24-7

Formula:

$C_{24}H_{26}N_6O_3$

Pathway:

GPCR/G Protein

Target:

Angiotensin Receptor

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 55 mg/mL (123.18 mM)

Alternative Names:

RNH 6270;CS 088

Observed Molecular Weight:

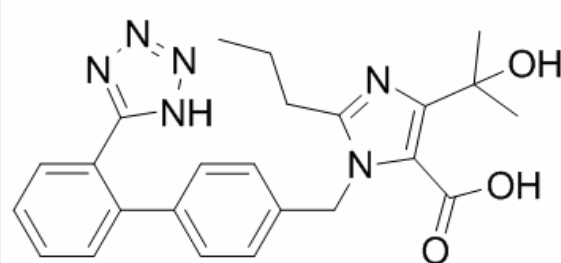
446.5

Product Description

Olmesartan is an **angiotensin II receptor (AT1R)** antagonist used to treat high blood pressure.

In Vivo:

Repeated dosing of olmesartan (1 mg/kg, 2 mg/kg, p.o.) dose-dependently decreases mean arterial blood pressure (MAP) in SHR without significant influence on body weight and food intake during 10 weeks^[1]. Olmesartan (5 mg/kg/d, p.o.) and Hyd treatments lower systolic blood pressure to the same degree in mice. Olmesartan treatment inhibits cardiac hypertrophy, evaluated by echocardiography, heart weight, cross-sectional area of cardiomyocytes, and gene expression. Olmesartan treatment reverses decreased gene expressions of ACE2 and Mas receptor of Ren-Tg mice and inhibits enhanced NADPH oxidase (Nox)4 expression and reactive oxygen species^[2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!