

# 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 :  $\geq 55$  mg/mL (123.18 mM)

**Alternative Names:**

RNH 6270;CS 088

**Observed Molecular Weight:**

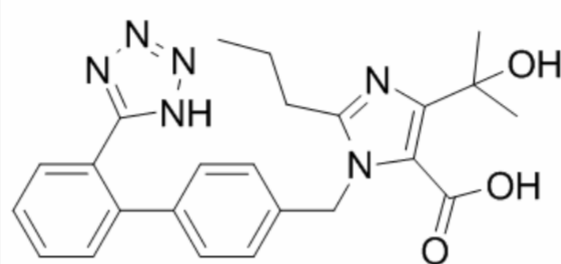
446.5

## 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<sup>[1]</sup>. 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<sup>[2]</sup>.



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