



Olmesartan (medoxomil)

Catalog No: tcsc0577

Available Sizes
Size: 10mg
Size: 50mg
Size: 100mg
Specifications
CAS No: 144689-63-4
Formula: C ₂₉ H ₃₀ N ₆ O ₆
Pathway: GPCR/G Protein
Target: Angiotensin Receptor
Purity / Grade: >98%
Solubility: DMSO: 50 mg/mL (89.51 mM; Need ultrasonic)
Alternative Names: CS 866
Observed Molecular Weight: 558.59
Product Description



Olmesartan medoxomil is a potent and selective **angiotensin AT1 receptor** inhibitor with IC_{50} of 66.2 μ M.

IC50 & Target: IC50: 66.2 μM (angiotensin II receptor)^[1]

In Vitro: Inhibition of Arachidonic acid (AA) metabolism by angiotensin II receptor blockers (ARBs) is detected in a concentration-dependent manner with IC_{50} of Olmesartan (66.2 μ M)^[1]. Olmesartan medoxomil (OLM) is a potent and selective angiotensin AT1 receptor blocker^[2].

In Vivo: The efficacy of Olmesartan (20 mg/kg) studied in db/db diabetic mice for a period of 12 weeks starting from week 10 to 12 of age. The db/db mice have 11.7 fold increased albuminuria in comparison to control mice at week 22 to 24 of age. Twelve weeks Olmesartan administration significantly reduces albuminuria in db/db mice by 77% as compared with placebo treated db/db mice. The albumin/creatinine ratio (ACR) is increased in db/db mice in comparison to control mice by 7.1 fold and Olmesartan treatment significantly decreases ACR by 59% in db/db mice^[3].

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