Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

Atorvastatin (hemicalcium salt)

Catalog No: tcsc1023

Available Sizes

Size: 10mg

Size: 50mg

Size: 100mg

Size: 200mg

Size: 500mg

Specifications

CAS No:
134523-03-8

Formula:
$C_{33}H_{34}Ca_{0.5}FN_2O_5$

Pathway:
Autophagy;Metabolic Enzyme/Protease

Target:
Autophagy;HMG-CoA Reductase (HMGCR)

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 50 mg/mL (86.55 mM)

Alternative Names:
CI-981;Atorvastatin hemicalcium

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Observed Molecular Weight:
577.67

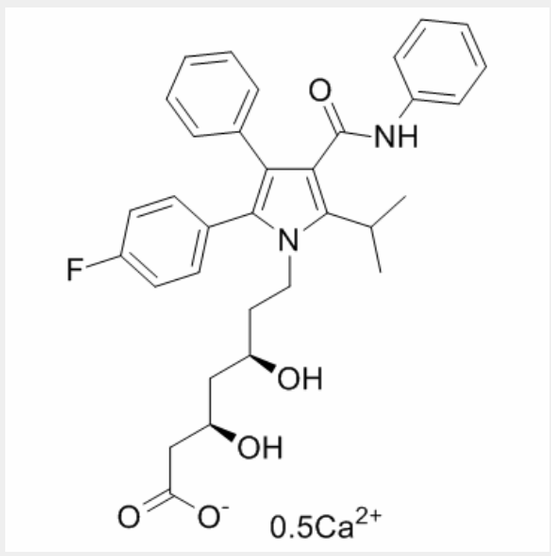
Product Description

Atorvastatin hemicalcium salt is a potent **HMG-CoA reductase** inhibitor with an **IC_{50}** value of 8 nM.

IC50 & Target: IC50: 8 nM (HMG-CoA)

In Vitro: Atorvastatin (0.03 to 1 μM) inhibits FCS-induced SV-SMC proliferation and invasion[2]. Atorvastatin promotes the expansion of myeloid-derived suppressor cells (MDSCs) in vitro. Atorvastatin-derived MDSCs suppressed T cell responses by NO production[3].

In Vivo: Atorvastatin (1-90 mg/kg, p.o.) reduces the mechanical inflammatory hypernociception induced by LPS in a dose-dependent manner. Atorvastatin (30 mg/kg, p.o.) shows Antinociceptive effect of atorvastatin is mediated by inhibition of HMG-CoA reductase[1]. Atorvastatin promotes MDSCs accumulation in C57BL/6 mice[3].



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