

# Fluvastatin

**Catalog No: tcsc1226**



## Available Sizes

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



## Specifications

**CAS No:**

93957-54-1

**Formula:**

$C_{24}H_{26}FNO_4$

**Pathway:**

Metabolic Enzyme/Protease

**Target:**

HMG-CoA Reductase (HMGCR)

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

XU 62320

**Observed Molecular Weight:**

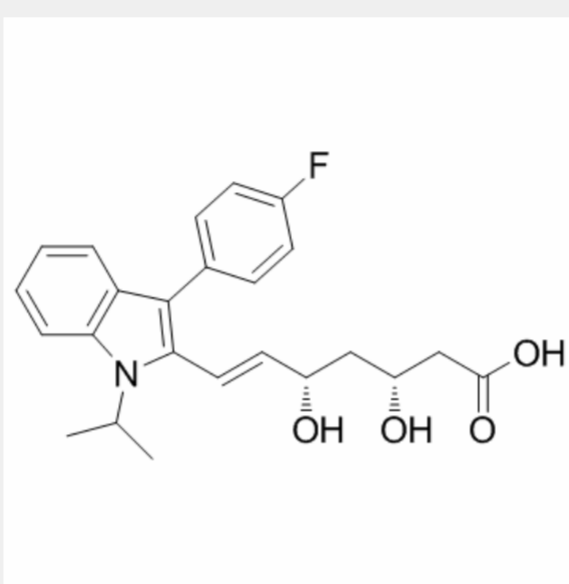
411.47

## Product Description

Fluvastatin (XU 62320) inhibits HMG-CoA reductase activity with IC<sub>50</sub> of 8 nM.

IC50 & Target: IC50: 8 nM (HMG-CoA reductase)<sup>[1]</sup>.

**In Vitro:** Fluvastatin (XU 62320) is a competitive inhibitor of hydroxymethylglutaryl-coenzyme A reductase (HMGCR), the enzyme that catalyzes the conversion of HMG-CoA to mevalonic acid, the rate-limiting step in cholesterol biosynthesis. Human hepatocellular carcinoma cell (HCC) studies indicate that Fluvastatin induces G2/M phase arrest. In the presence of Fluvastatin (XU 62320), HCC cells show a decrease of Bcl-2 and procaspase-9 expression, and an increase in Bax, cleaved caspase-3, and cytochrome c. Fluvastatin (XU 62320) is antilipemic and is used to reduce plasma cholesterol levels and prevent cardiovascular disease.



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