

Fluvastatin (sodium)

Catalog No: tcsc1969



Available Sizes

Size: 50mg

Size: 100mg



Specifications

CAS No:

93957-55-2

Formula:

$C_{24}H_{26}FNNaO_4+$

Pathway:

Autophagy;Metabolic Enzyme/Protease

Target:

Autophagy;HMG-CoA Reductase (HMGCR)

Purity / Grade:

>98%

Solubility:

H2O : 50 mg/mL (115.09 mM; Need ultrasonic)

Alternative Names:

XU 62320 sodium

Observed Molecular Weight:

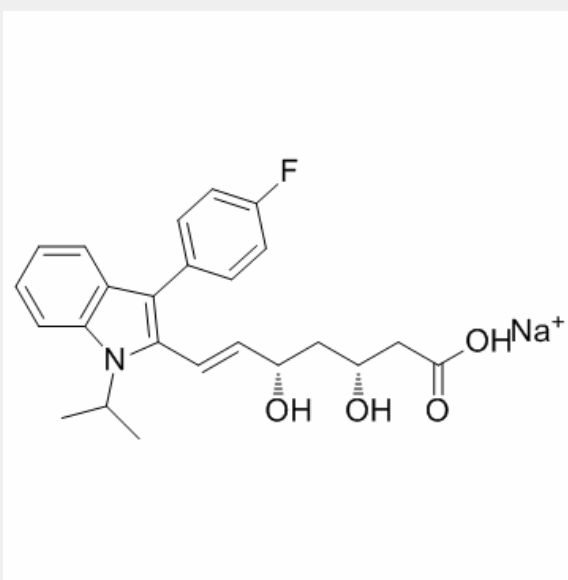
434.46

Product Description

Fluvastatin (XU 62320) sodium is a competitive inhibitor of hydroxymethylglutaryl-coenzyme A reductase (HMGCR), used to treat hypercholesterolemia and to prevent cardiovascular disease.

IC50 & Target: HMGCR^[1].

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 (XU 62320) 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!