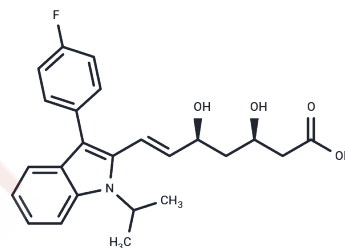


## (3R,5S)-Fluvastatin

## Chemical Properties

CAS No. :	155229-75-7
Formula:	C <sub>24</sub> H <sub>26</sub> FNO <sub>4</sub>
Molecular Weight:	411.47
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	(3R,5S)-Fluvastatin, the 3R,5S-isomer of Fluvastatin (XU 62-320 free acid), stands as the inaugural fully synthetic, competitive inhibitor of HMG-CoA reductase, exhibiting an IC <sub>50</sub> value of 8 nM. It safeguards vascular smooth muscle cells from oxidative stress by activating the Nrf2-dependent antioxidant pathway.
Targets(IC <sub>50</sub> )	Others,HMG-CoA Reductase,Autophagy

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4303 mL	12.1516 mL	24.3031 mL
5 mM	0.4861 mL	2.4303 mL	4.8606 mL
10 mM	0.243 mL	1.2152 mL	2.4303 mL
50 mM	0.0486 mL	0.243 mL	0.4861 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

- Araújo FA, Rocha MA, Capettini LS, et al. 3-Hydroxy-3-methylglutaryl coenzyme A reductase inhibitor (fluvastatin) decreases inflammatory angiogenesis in mice. *APMIS*. 2012 24.
- Makabe S, Takahashi Y, Watanabe H, et al. Fluvastatin protects vascular smooth muscle cells against oxidative stress through the Nrf2-dependent antioxidant pathway. *Atherosclerosis*. 2010 Dec;213(2):377-84.
- Scripture CD, Pieper JA. Clinical pharmacokinetics of fluvastatin. *Clin Pharmacokinet*. 2001;40(4):263-81.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481