

## Data Sheet (Cat.No.T21405)

### Fluvastatin

#### Chemical Properties

CAS No.:	93957-54-1
Formula:	C <sub>24</sub> H <sub>26</sub> FNO <sub>4</sub>
Molecular Weight:	411.47
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

#### Biological Description

Description	Fluvastatin, the first entirely synthetic HMG-CoA reductase inhibitor, is used to reduce plasma cholesterol levels and prevent cardiovascular disease.
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#### Solubility Information

Solubility	Water: Insoluble DMSO: Soluble ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.430 mL	12.152 mL	24.303 mL
5 mM	0.486 mL	2.430 mL	4.861 mL
10 mM	0.243 mL	1.215 mL	2.430 mL
50 mM	0.049 mL	0.243 mL	0.486 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

#### Reference

- Janić M, Lunder M, Šabovič M. A low-dose combination of fluvastatin and valsartan: a new "drug" and a new approach for decreasing the arterial age. *Biomed Res Int.* 2015;2015:235709. doi: 10.1155/2015/235709. Epub 2015 Mar 3. Review. PubMed PMID: 25821790; PubMed Central PMCID: PMC4363554.
- Voûte MT, Winkel TA, Poldermans D. Safety of fluvastatin in patients undergoing high-risk non-cardiac surgery. *Expert Opin Drug Saf.* 2010 Sep;9(5):793-800. doi: 10.1517/14740338.2010.499120. Review. PubMed PMID: 20557267.
- Neuvonen PJ, Backman JT, Niemi M. Pharmacokinetic comparison of the potential over-the-counter statins simvastatin, lovastatin, fluvastatin and pravastatin. *Clin Pharmacokinet.* 2008;47(7):463-74. Review. PubMed PMID: 18563955.
- Stein EA, Corsini A, Gimpelewicz CR, Bortolini M, Gil M. Fluvastatin treatment is not associated with an increased incidence of cancer. *Int J Clin Pract.* 2006 Sep;60(9):1028-34. Review. PubMed PMID: 16939542.

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