

ent-Atorvastatin

Chemical Properties

CAS No.:	501121-34-2
Formula:	C ₃₃ H ₃₅ FN ₂ O ₅
Molecular Weight:	558.65
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	ent-Atorvastatin is a selective and competitive inhibitor of HMGCR (HMG-CoA reductase).
-------------	---

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.790 mL	8.950 mL	17.900 mL
5 mM	0.358 mL	1.790 mL	3.580 mL
10 mM	0.179 mL	0.895 mL	1.790 mL
50 mM	0.036 mL	0.179 mL	0.358 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

1. Yang B, Sun J, Yuan Y, Sun Z. Effects of atorvastatin on autophagy in skeletal muscles of diabetic rats. J Diabetes Investig. 2018 Jul;9(4):753-761. doi: 10.1111/jdi.12789. Epub 2018 Jan 30. PubMed PMID: 29245171; PubMed Central PMCID: PMC6031525.
2. Qiu S, Zhuo W, Sun C, Su Z, Yan A, Shen L. Effects of atorvastatin on chronic subdural hematoma: A systematic review. Medicine (Baltimore). 2017 Jun;96(26):e7290. doi: 10.1097/MD.0000000000007290. Review. PubMed PMID: 28658127; PubMed Central PMCID: PMC5500049.
3. El-Nabarawi N, El-Wakd M, Salem M. Atorvastatin, a double weapon in osteoporosis treatment: an experimental and clinical study. Drug Des Devel Ther. 2017 May 2;11:1383-1391. doi: 10.2147/DDDT.S133020. eCollection 2017. PubMed PMID: 28496308; PubMed Central PMCID: PMC5422318.

Inhibitors · Natural Compounds · Compound Libraries

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:36 Washington Street,Wellesley Hills,MA 02481