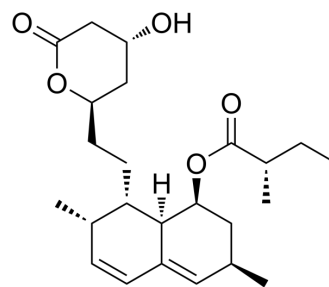


## Lovastatin (Standard)

<b>Cat. No.:</b>	HY-N0504R
<b>CAS No.:</b>	75330-75-5
<b>Molecular Formula:</b>	C <sub>24</sub> H <sub>36</sub> O <sub>5</sub>
<b>Molecular Weight:</b>	404.54
<b>Target:</b>	HMG-CoA Reductase (HMGCR); Autophagy; Ferroptosis
<b>Pathway:</b>	Metabolic Enzyme/Protease; Autophagy; Apoptosis
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 100 mg/mL (247.19 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		2.4719 mL	12.3597 mL	24.7194 mL
	5 mM		0.4944 mL	2.4719 mL	4.9439 mL
	10 mM		0.2472 mL	1.2360 mL	2.4719 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Lovastatin (Standard) is the analytical standard of Lovastatin. This product is intended for research and analytical applications. Lovastatin is a cell-permeable HMG-CoA reductase inhibitor used to lower cholesterol.

### CUSTOMER VALIDATION

- Signal Transduct Target Ther. 2023 May 10;8(1):183.
- Cell Metab. 2020 Apr 7;31(4):741-754.e5.
- Nat Commun. 2023 May 26;14(1):3050.
- Nucleic Acids Res. 2023 Sep 22;gkad759.
- Redox Biol. 2022 Feb;49:102207.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

---

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA