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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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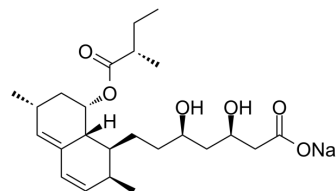
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Lovastatin hydroxy acid sodium

Cat. No.:	HY-123672
CAS No.:	75225-50-2
Molecular Formula:	C ₂₄ H ₃₇ NaO ₆
Molecular Weight:	444.54
Target:	HMG-CoA Reductase (HMGCR)
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 12.5 mg/mL (28.12 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	2.2495 mL	11.2476 mL	22.4952 mL	
		5 mM	0.4499 mL	2.2495 mL	4.4990 mL	
		10 mM	0.2250 mL	1.1248 mL	2.2495 mL	
Please refer to the solubility information to select the appropriate solvent.						

BIOLOGICAL ACTIVITY

Description	Lovastatin hydroxy acid sodium (Mevinolinic acid sodium) is a highly potent inhibitor of HMG-CoA reductase with a K _i of 0.6 nM ^[1] .
IC ₅₀ & Target	Ki: 0.6 nM (HMG-CoA reductase) ^[1]
In Vitro	Mevinolin in the hydroxy-acid form, mevinolinic acid, is a potent competitive inhibitor of 3-hydroxy-3-methylglutaryl-coenzyme A reductase [mevalonate: NADP ⁺ oxidoreductase (CoA-acylating)] ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. A W Alberts, et al. Mevinolin: A Highly Potent Competitive Inhibitor of Hydroxymethylglutaryl-Coenzyme A Reductase and a Cholesterol-Lowering Agent. Proc Natl Acad Sci U S A. 1980 Jul;77(7):3957-61.

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

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