

Product Datasheet

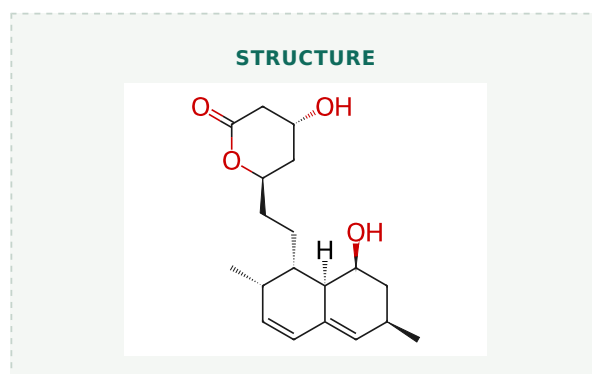
Lovastatin Diol Lactone

Catalog No. **BP-02403** · CAS **79952-42-4** · Form **free base** · Physical state **solid** · Color **White to off-white** · Version **1.0** · Revision **2026-09-10**

FOR RESEARCH USE ONLY. NOT FOR HUMAN OR VETERINARY USE.

Target HMG-CoA Reductase (HMGCR); Autophagy	Research area Metabolic Disease
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Molecular formula	C₁₉H₂₈O₄
Molecular weight	320.4232



DESCRIPTION

Monacolin J is an inhibitor of cholesterol biosynthesis, and inhibits the activity of HMG-CoA reductase.

BIOLOGICAL ACTIVITY

In Vitro

Monacolin J is an inhibitor of cholesterol biosynthesis, and inhibits the activity of HMG-CoA reductase. Na salt of Monacolin J causes 50% inhibition on reductase at 1.2 µg/mL.

SOLUBILITY

Soluble in DMSO : 100 mg/mL

REFERENCES

[1].Endo A, et al. Monacolins J and L, new inhibitors of cholesterol biosynthesis produced by *Monascus ruber*. J Antibiot (Tokyo). 1985 Mar;38(3):420-2.