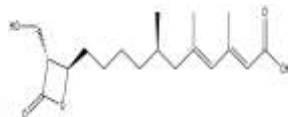


PRODUCT: (R,R)-Hymeglusin**ALTERNATE NAME:** (2E,4E,7R)-11-[(2R,3R)-3-(Hydroxymethyl)-4-oxooxetan-2-yl]-3,5,7-trimethylundeca-2,4-dienoic acid**CATALOG #:** B1244-500, 1000**AMOUNT:** 500 µg, 1 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₈H₂₈O₅**MOLECULAR WEIGHT:** 324.41**CAS NUMBER:** 29066-42-0**APPEARANCE:** White to off-white solid**SOLUBILITY:** DMSO**PURITY:** ≥95% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.**DESCRIPTION:** (R,R)-Hymeglusin is a specific and irreversible inhibitor of 3-hydroxy-3-methylglutaryl coenzyme A (HMG-CoA) synthase *in vitro* and *in vivo* by covalently modifying the active Cys129 residue of the enzyme. It is a fungal beta-lactone that inhibits mevalonate biosynthesis and is a good target for statins. It displays antimicrobial and anti-fungal activity.**REFERENCES:** Nagashima, H. *et.al.* (1993). *Life Sci.* **52**, 1595-1600;
Groll, M. *et.al.* (2011). *Curr. Top. Med. Chem.* **11**, 2850-2878**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

Atorvastatin (Cat. No. 2278-10, 50)

HMG-CoA Reductase Activity /Inhibitor Screening Kit (K588-100)

Lovastatin (Cat. No. 1692-50, 250)

Mevastatin (1694-50, 250)

Simvastatin (Cat. No. 1693-50, 250)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**