PRODUCT: (R,R)-Hymeglusin

ALTERNATE NAME: (2E,4E,7R)-3-(Hydroxymethyl)-4-oxooxetan-2-yl-3,5,7-trimethylundec-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;

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