

Product datasheet

(R,R)-Hymeglusin, antibiotic agent ab144274

1 Image

Overview

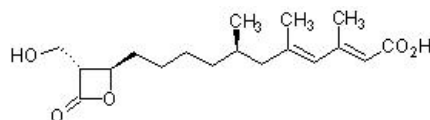
Product name	(R,R)-Hymeglusin, antibiotic agent
Description	β-Lactone antibiotic and antifungal agent
Biological description	β-Lactone antibacterial and antifungal agent. Specific irreversible inhibitor of 3-hydroxy-3-methylglutaryl coenzyme A (HMG-CoA) synthase ($IC_{50} = 0.12 \mu M$) <i>in vitro</i> and <i>in vivo</i> .

See similar compound

Purity > 95%

CAS Number 29066-42-0

Chemical structure



Properties

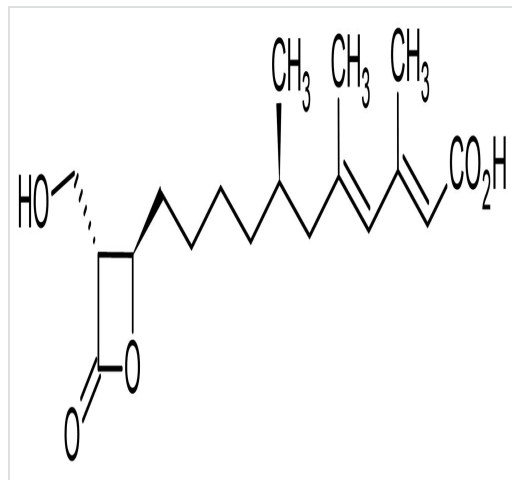
Chemical name	(2E,4E,7R)-11-[(2R,3R)-3-(Hydroxymethyl)-4-oxooxetan-2-yl]-3,5,7-trimethylundeca-2,4-dienoic acid
Molecular weight	324.41
Molecular formula	C ₁₈ H ₂₈ O ₅
PubChem identifier	6440895
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in ethanol and in DMSO
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

SMILES

C[C@H](CCCC[C@@H]1[C@H](C(=O)O1)CO)C/C(=C/C(=C/C(=O)O)/C)/C

Images



2D chemical structure image of ab144274, (R,R)-Hymeglusin, antibiotic agent

Chemical Structure - (R,R)-Hymeglusin, antibiotic agent (ab144274)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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