

Hymeglusin, Mevalonate biosynthesis inhibitor

Catalog	Unit
TBI3289 - 1MG	1 mg
TBI3289 - 2.5MG	2.5 mg

Product Details

Formal Name: 11-[3R-(Hydroxymethyl)-4-oxo-2R-oxetanyl]-3,5,7R-trimethyl-2E,4E-undecadienoic acid

Alternate Names: L-659699, Antibiotic 1233A, Antibiotic F244

Molecular Formula: C₁₈H₂₈O₅

Formula Weight: 324.41

CAS Number: 29066-42-0

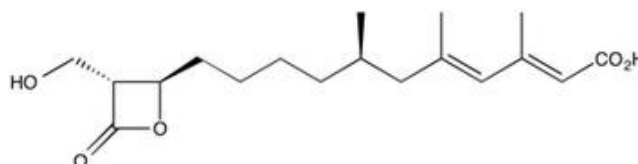
Purity: 96%

Formulation: Powder

Solubility: Soluble in DMSO (up to 25 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Mevalonate biosynthesis inhibitor

Functions

Hymeglusin (29066-42-0) is an inhibitor of eukaryotic mevalonate biosynthesis via inhibition of HMG-CoA synthase, IC₅₀ = 0.12 μM. Acts via covalent modification of the active site Cys129. Inhibits cholesterol biosynthesis in rats (45% at 25 mg/Kg). Also inhibits bacterial HMG-CoA synthase. Inhibits dengue virus replication.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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