Fermalogic

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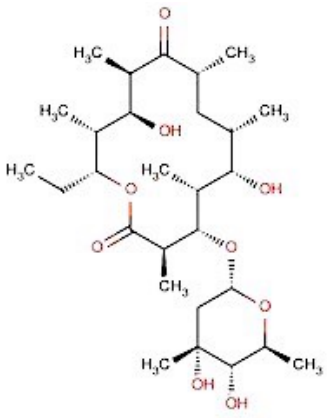
3-O-alpha-mycarosyl-6-deoxyerythronolide B (6dMEB)

$C_{28}H_{50}O_9$



PROPERTIES	
Molecular weight	530.7 g/mol
CAS	novel
PubChem ID	novel
Available quantities	1 mg
Packaging	1 mg in glass vial
Form	Clear film
Color	clear
Application	actinocore, scaffold
Bioactivity	no antibiotic activity
Chemical structure	Macrolide Precursor
Shipping	Standard
Price	1 mg $259

DESCRIPTION | An erythromycin biosynthetic precursor to the antibiotic erythromycin. The absence of the hydroxyl group at the C-6 position confers increased acid stability and improved pharmacological properties for oral delivery.

PREPARATION | Starting with a custom recombinant mutant of the *Saccharopolyspora erythraea* bacterium, leveraging natural, renewable starting materials, we have produced this erythromycin precursor that could not be easily obtained through chemical synthesis. This product has not been used previously to generate new patentable "hybrid" antibiotics which makes it a highly valuable starter core.

PREPARATION NOTE This product is freely soluble at >10 mg/ml in methanol and ethyl acetate. Stock solutions should be stored at 2-8°C and protected from light.

CERTIFICATE OF AUTHENTICITY: | This product has been authenticated through chemical analysis including mass spectrometry and NMR.

PRODUCT ADVANTAGES

- Leapfrog the first phase of your drug development process saving valuable time and cost.
- Leverage natural products at the initiation of your product development.
- Increase the likelihood of discovering active pharmaceuticals with a core designed by natural selection and with our C-6 innovation.

RECOMMENDED USES

- Pharmaceutical drug discovery and development
- Biosensor applications
- Chemical biology applications.