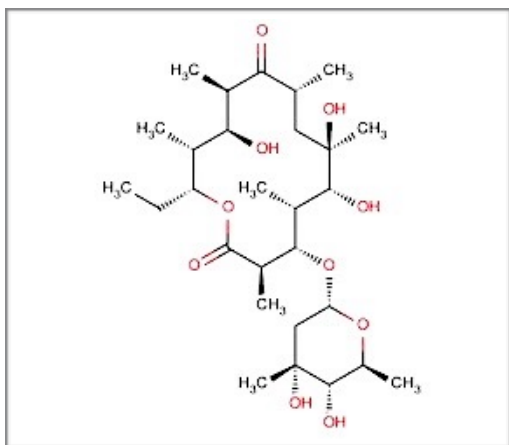




## 3-O-alpha-mycarosylerythronolide B (MEB) C<sub>28</sub>H<sub>50</sub>O<sub>10</sub>



**DESCRIPTION** | An erythromycin biosynthetic precursor to the antibiotic erythromycin and a naturally derived component of the widely used antibiotics Biaxin® (clarithromycin) and Zithromax Z- pak® (azithromycin).

**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 yet been used to generate new patentable "hybrid" antibiotics Spagnoli et al., (1983).

**PREPARATION NOTE** This product is freely soluble in chloroform. Stock solutions should be stored at 2-8°C. All solutions should be protected from light.

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

| PROPERTIES           |                             |
|----------------------|-----------------------------|
| Molecular weight     | 546.69 g/mol                |
| CAS                  | 34698-88-9                  |
| PubChem ID           | ID=441108                   |
| Available quantities | 1 mg, 10 mg                 |
| Packaging            | 1 mg in glass vial          |
| Form                 | Powder                      |
| Color                | White                       |
| Application          | actinocore, scaffold        |
| Bioactivity          | no antibiotic activity      |
| Chemical structure   | Macrolide Precursor         |
| Shipping             | Standard                    |
| Price                | 1 mg \$169<br>10 mg \$1,499 |

### 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.

### RECOMMENDED USES

- Pharmaceutical drug discovery. Close analogs of this compound have been shown to reduce fevers (anti-pyretic, aspirin-like).
- Biosensor applications
- Chemical biology applications.