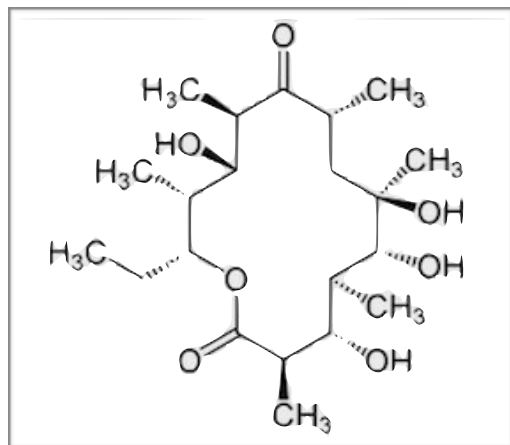




## Erythronolide B (EB) C<sub>21</sub>H<sub>38</sub>O<sub>7</sub>



**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 a proven track record of being used to generate new patentable "hybrid" antibiotics Spagnoli et al., (1983).

**PREPARATION NOTE** This product is soluble at >10 mg/ml in methanol at 50°C. 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

|                             |                                 |
|-----------------------------|---------------------------------|
| <b>Molecular weight</b>     | 402.5 g/mol                     |
| <b>CAS</b>                  | 3225-82-9                       |
| <b>PubChem ID</b>           | ID=441113                       |
| <b>Available quantities</b> | 1, 5, 10, 25, 50, 100 mg        |
| <b>Packaging</b>            | Glass vial                      |
| <b>Form</b>                 | Powder                          |
| <b>Color</b>                | white                           |
| <b>Application</b>          | actinocore, scaffold            |
| <b>Bioactivity</b>          | no antibiotic activity          |
| <b>Chemical structure</b>   | Macrolide Precursor             |
| <b>Shipping</b>             | Standard                        |
| <b>Price</b>                | See website for current pricing |

### 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 and development
- Biosensor applications
- Chemical biology applications.