



## CERTIFICATE OF ANALYSIS

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### 1. Identification

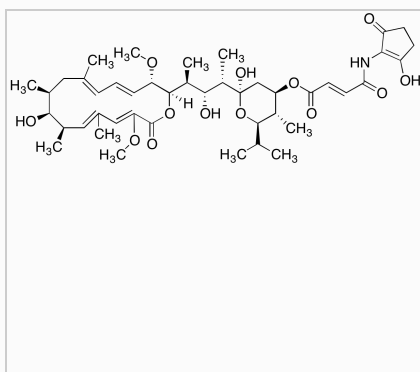
**Catalogue Number:** B110005

**CAS Number:** 88899-56-3

**Product:** Bafilomycin B1

**Synonym:** Setamycin; [2R-[2R\*[1S\*[2R\*,4R\*(E),5S\*,6R\*],2R\*,3S\*],3S\*,4E,6E,9S\*,10S\*,11R\*,12E,14Z]]-4-[(2-Hydroxy-5-oxo-1-cyclopenten-1-yl)amino]-4-oxo-tetrahydro-2-hydroxy-2-[2-hydroxy-3-(10-hydroxy-3,15-dimethoxy-7,9,11,13-tetramethyl-16-oxooxacyclohexadeca-4,6,12,14-tetraen-2-yl)-1-methylbutyl]-5-methyl-6-(1-methylethyl)-2H-pyran-4-yl Ester 2-Butenoic Acid

**Structure:**



**Molecular Formula:**

C<sub>44</sub>H<sub>65</sub>NO<sub>13</sub>

**Molecular weight:**

815.99

**Source of Product:**

N/A

**Solubility:**

DMSO (Slightly), Methanol (Slightly)

**Lot Number:** 51-GHZ-138-1

**Purity:** 95%

**Shipping Condition:** This Product Is Stable To Be Shipped At Room Temperature

**Storage Condition:** -20°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Light Yellow to Yellow Solid	Light Yellow Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	97.36% (254 nm)

**Additional Information:**

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of  $\pm 2\%$ . Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

### 4. Signatures

**Reviewed By**  
Swathi Reddy

**Reviewed By**  
Toni Rantanen

**C of A Approved By**  
Christina Gouliaras

**Test Date**  
1/10/2023

**Retest Date**  
1/8/2027