

Bafilomycin A1, Vacuolar H⁺ ATPase inhibitor

| Catalog | Unit |
|---------------|--------|
| TBI2060-100UG | 100 ug |
| TBI2060-1MG | 1 mg |

Product Details

Formal Name: (3Z,5E,7R,8S,9S,11E,13E,15S,16R)-8-hydroxy-16-[(1S,2R,3S)-2-hydroxy-1-methyl-3-[(2R,4R,5S,6R)-tetrahydro-2,4-dihydroxy-5-methyl-6-(1-methylethyl)-2H-pyran-2-yl]butyl]-3,15-dimethoxy-5,7,9,11-tetramethyl-oxacyclohexadeca-3,5,11,13-tetraen-2-one

Molecular Formula: C₃₅H₅₈O₉

Formula Weight: 622.84

CAS Number: 88899-55-2

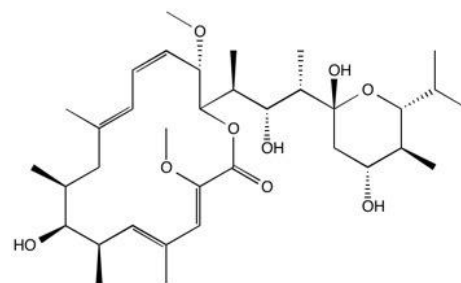
Purity: >98%

Formulation: Lyophilized

Solubility: Soluble in DMSO (up to 5 mg/ml, with warming).

Storage: -20°C

Stability: ≥ 2 years.



Applications

Vacuolar H⁺ ATPase inhibitor

Functions

Macrolide antibiotic derived from *Streptomyces griseus* that is a potent and selective inhibitor of vacuolar H⁺-ATPases (IC₅₀ = 0.6 – 1.5 nM). Inhibits autophagy via disruption of fusion between autophagosomes and lysosomes.

Application Procedures

First dissolved in DMSO (up to 5 mg/ml, with warming), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.