

Catalog	Unit
TBI5368- 1MG	1 mg
TBI5368- 5MG	5 mg

Product Details

Formal Name: (1*R*,4*E*,5'*S*,6*S*,6'*S*,7*R*,8*S*,10*R*,11*R*,12*S*,14*R*,15*S*,16*R*,18*E*,20*E*,22*R*,25*S*,27*R*,28*S*,29*R*)-22-ethyl-7,11,14,15-tetrahydroxy-6'-[(2*R*)-2-hydroxypropyl]-5',6,8,10,12,14,16,28,29-nonamethylspiro[2,26-dioxabicyclo[23.3.1]nonacosa-4,18,20-triene-27,2'-oxane]-3,9,13-trione

Molecular Formula: C₄₅H₇₄O₁₁

Formula Weight: 791.06

CAS Number: 579-13-5

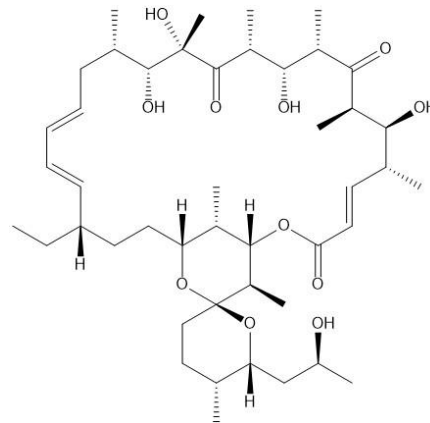
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 300 mg/ml); Ethanol (up to 200 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Mitochondrial ATPase inhibitor

Functions

Oligomycin A (OA) inhibits mitochondrial F1F0 ATP synthase. A useful tool for decreasing cellular ATP levels. Induces autophagy. Evokes maximum thermogenic response from brown adipocytes upon co-treatment with norepinephrine. A glycolytic inhibitor (2-deoxyglucose) enhances the antiproliferative activity of OA in MCF-7 cells.

Application Procedures

First dissolved in DMSO (300 mg/ml) or ethanol (200 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

For research use only.