

Catalog	Unit
TBI2659 - 1G	1 g
TBI2659 - 5G	5 g

Product Details

Formal Name: 2-[5-Ethyltetrahydro-5-[tetrahydro-3-methyl-5-[tetrahydro-6-hydroxy-6-hydroxymethyl-3,5-dimethyl-2H-pyran-2-yl]-2-furyl]-2-furyl]-9-hydroxy- β -methoxy- $\alpha,\gamma,2,8$ -tetramethyl-1,6-dioxaspiro[4.5]decane-7-butyric acid, sodium salt

Alternate Names: NSC-343257

Molecular Formula: C₃₆H₆₁O₁₁ • Na

Formula Weight: 692.9

CAS Number: 22373-78-0

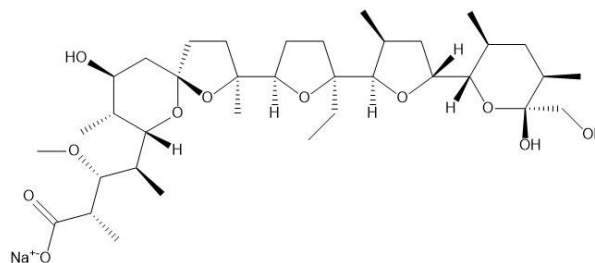
Purity: >90-95%

Formulation: Powder.

Solubility: Soluble in DMSO (up to 25 mg/ml with warming)

Storage: RT

Stability: \geq 2 years.



Applications

Golgi transport inhibitor

Functions

A monovalent-selective ionophore antibiotic, typically employed as a Na⁺ ionophore. Interferes with vesicular transport through the Golgi apparatus and induces Golgi swelling. Neutralizes intracellular compartments such as the trans Golgi apparatus cisternae, lysosomes, and certain endosomes (inducing EGFR endosomal arrest for example). Induces the cleavage of full-length CREB3 in HEK293 cells.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 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

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