

Catalog	Unit
TBI2424 - 1MG	1 mg
TBI2424 - 5MG	5 mg

Product Details

Alternate Names: Quinomycin A; NSC-13502

Molecular Formula: C₅₁H₆₄N₁₂O₁₂S₂

Formula Weight: 1101.26

CAS Number: 512-64-1

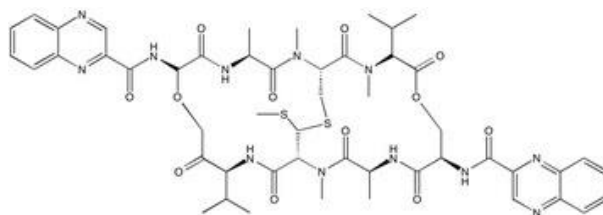
Purity: >97%

Formulation: Powder

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

Storage: -20°C

Stability: \geq 2 years.



Applications

HIF-1 α inhibitor

Functions

Echinomycin (CAS 512-64-1) is a potent and selective hypoxia inducible factor 1 α (HIF-1 α) inhibitor. It binds to DNA via bifunctional intercalation, blocking the interaction of HIF-1 α . Protects mice against relapsed acute myeloid leukemia with no effect on hematopoietic stem cells. Selectively eliminates cancer stem cells in mouse lymphoma and human AML xenogeneic models. A very useful tool for probing genes regulated by HIF1 α .

Application Procedures

First dissolved in DMSO (up to 5 mg/ml), then diluted to aqueous buffer. Solutions in DMSO 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

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