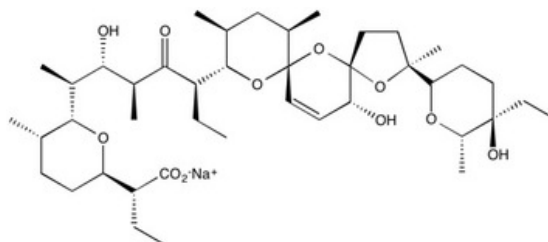


Salinomycin Na, Cancer stem cell inhibitor

Catalog	Unit
TBI2654-10MG	10 mg
TBI2654-50MG	50 mg

Product Details

Formal Name: From Streptomyces albus
Molecular Formula: C₄₂H₆₉O₁₁ Na
Formula Weight: 773
CAS Number: 55721-31-8
Purity: >97%
Formulation: Powder
Solubility: Soluble in DMSO (up to 40 mg/ml)
Storage: -20°C
Stability: ≥ 2 years.



Applications

Cancer stem cell inhibitor

Functions

A polyether ionophore with antibiotic and anti-cancer properties. It induces cell death in some types of cancer cells such as breast, lung, gastric cancer, leukemia and osteosarcoma. Displays selective toxicity for cancer stem cells. Induces rapid mitochondrial hyperpolarization. Induces selective cytotoxicity to MCF-7 mammosphere cells via the hedgehog signaling pathway. Reduces doxorubicin resistance of breast tumor cells by inhibiting drug efflux pump expression and activity. Kills cancer stem cells by sequestering iron.

Application Procedures

First dissolved in DMSO (up to 40 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

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