

Nocardamine, Intracellular iron chelator

Catalog	Unit
TBI2775 - 1MG	1 mg

Product Details

Formal Name: 1,12,23-Trihydroxy-1,6,12,17,23,28-hexazacyclotritriacontane-2,5,13,16,24,27-hexone

Alternate Names: Desferrioxamine E

Molecular Formula: C₂₇H₄₈N₆O₉

Formula Weight: 600.71

CAS Number: 26605-16-3

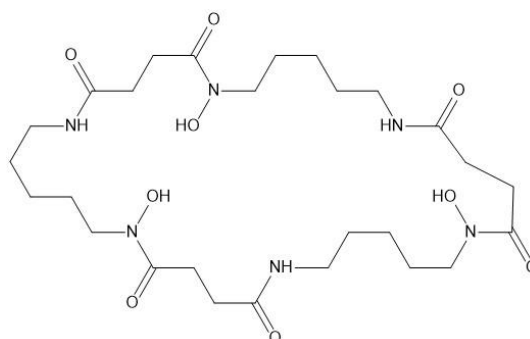
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (5 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Intracellular iron chelator

Functions

Nocardamine (26605-16-3) is a bacterially produced siderophore which can act as an intracellular iron chelator. A cyclic analog of the ferroptosis inhibiting siderophore deferoxamine. Displayed inhibitory effects to colony formation of T-47D, SK-Mel-5, SK-Mel-28 and PRMI-7951 tumor cell lines as well as antimalarial activity.

Application Procedures

First dissolved in DMSO (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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