

Catalog	Unit
TBI5131-1MG	1 mg
TBI5131-5MG	5 mg

Product Details

Source: Cyclic lipopeptide produced by *Bacillus subtilis* containing multiple chain-length isomers.

Molecular Formula: C₅₃H₉₃N₇O₁₃

Formula Weight: 1036.36

CAS Number: 24730-31-2

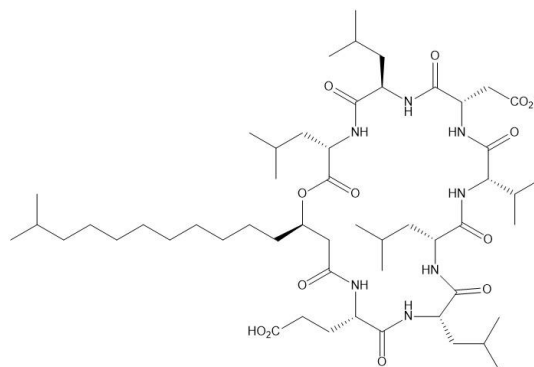
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (15 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Lipopeptide biosurfactant

Functions

Surfactin (24730-31-2) is a lipopeptide biosurfactant which displays various activities including antifungal and antibacterial as well as inhibition of fibrin clot formation. Selectively inhibits cytosolic PLA₂ (IC₅₀ = 8.5 μM) suppressing PLA₂-mediated inflammatory responses. Induces ER stress-mediated apoptosis via IRE1-ASK1-JNK signaling in human osteosarcoma cells.

Application Procedures

First dissolved in DMSO (15 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

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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