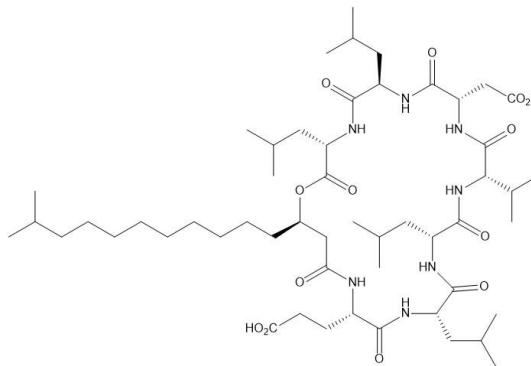


## Surfactin, Lipopeptide biosurfactant

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

### Product Details

**Formal Name:** 3-[9-(carboxymethyl)-3,6,15,18-tetrakis(2-methylpropyl)-25-(10-methylundecyl)-2,5,8,11,14,17,20,23-octaoxo-12-propan-2-yl-1-oxa-4,7,10,13,16,19,22-heptazacyclopentacos-21-yl]propanoic acid  
**Molecular Formula:** C<sub>53</sub>H<sub>93</sub>N<sub>7</sub>O<sub>13</sub>  
**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 (IC<sub>50</sub> = 8.5 mM) 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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