

## Manumycin A, Farnesyltransferase inhibitor

Catalog	Unit
TBI2683 - 1MG	1 mg
TBI2683 - 5MG	5 mg

### Product Details

**Formal Name:** Fermentation product from *Streptomyces parvulus*

**Molecular Formula:** C<sub>31</sub>H<sub>38</sub>N<sub>2</sub>O<sub>7</sub>

**Formula Weight:** 550.64

**CAS Number:** 52665-74-4

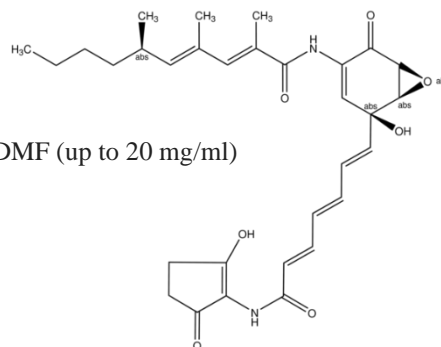
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (up to 10 mg/ml), in Ethanol (up to 5 mg/ml) or in DMF (up to 20 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Farnesyltransferase inhibitor

### Functions

Inhibits ras farnesyltransferase and prevents ras signaling. Irreversibly inhibits neutral sphingomylinase. Abrogates IL-1β-induced HIF-1α activation in both glioma and non-glioma tumor cells. Ameliorates acetaminophen-induced liver injury in mice. Induces apoptosis and displays antiproliferative activity in various models. Cell permeable.

### Application Procedures

First dissolved in DMSO (up to 10 mg/ml), in Ethanol (up to 5 mg/ml) or in DMF (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO, ethanol, or DMF 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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