

Catalog	Unit
TBI2675 - 1MG	1 mg
TBI2675 - 5MG	5 mg

### Product Details

**Formal Name:** (1R,2R,4R,5Z,12R,13S,16Z)-25-(9H-pyrido[3,4-b]indol-1-yl)-11,22-diazapentacyclo[11.11.2.12,22.02,12.04,11]heptacos-5,16,25-trien-13-ol

**Alternate Names:** Marine natural product isolated from Xestospongia ashmorica

**Molecular Formula:** C<sub>36</sub>H<sub>44</sub>N<sub>4</sub>O

**Formula Weight:** 548.78

**CAS Number:** 104196-68-1

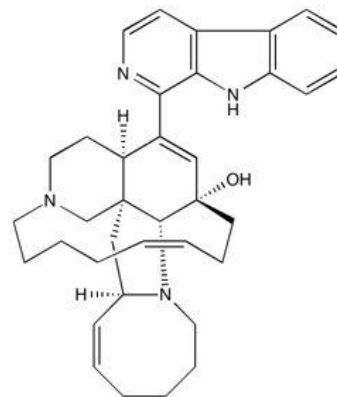
**Purity:** 98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (up to 25 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Vacuolar ATPases; Autophagy inhibitor

### Functions

Manzamine A (104196-68-1) inhibits vacuolar ATPases and inhibits autophagy in pancreatic cancer cells. Suppresses atherosclerosis in vivo. Manzamine A displays neurotogenic activity and suppresses tau hyperphosphorylation in human neuroblastoma cell lines.

### Application Procedures

First dissolved in DMSO (25 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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