

Catalog	Unit
TBI2719-100UG	100 ug
TBI2719-500UG	500 ug

Product Details

Formal Name: Isolated from *Microcystis aeruginosa* (a freshwater cyanobacteria)

Molecular Formula: C₄₉H₇₄N₁₀O₁₂

Formula Weight: 995.17

CAS Number: 101043-37-2

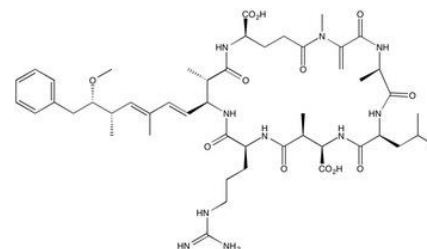
Purity: >95%

Formulation: powder

Solubility: Soluble in DMSO, methanol, and ethanol

Storage: -20°C

Stability: ≥ 1 year.



Applications

Protein phosphatase PP1 and PP2A inhibitor

Functions

A novel freshwater cyanotoxin. Tumor promoter. Potent and selective inhibitor of protein phosphatase 2A (PP2A), IC₅₀=0.04 nM. PP1, IC₅₀=1.7 nM and PP2B are less sensitive and PP2C is not inhibited (up to 4 μM). Considered to be cell-impermeable with the exception of hepatocytes which take it up via an organic anion transporter.

Application Procedures

First dissolved in DMSO, methanol, and ethanol, then diluted to aqueous buffer. Solutions in DMSO, methanol, and ethanol may be stored at -20°C for up to 2 months.

For research use only.