

Phomopsin A, Microtubule binding agent

Catalog	Unit
TBI2984-200UG	200 µg
TBI2984-1MG	1 mg

Product Details

Formal Name: Natural product isolated from *Phomopsis* sp.

Alternate Name: NSC381839

Molecular Formula: C₃₆H₄₅ClN₆O₁₂

Formula Weight: 789.2

CAS Number: 64925-80-0

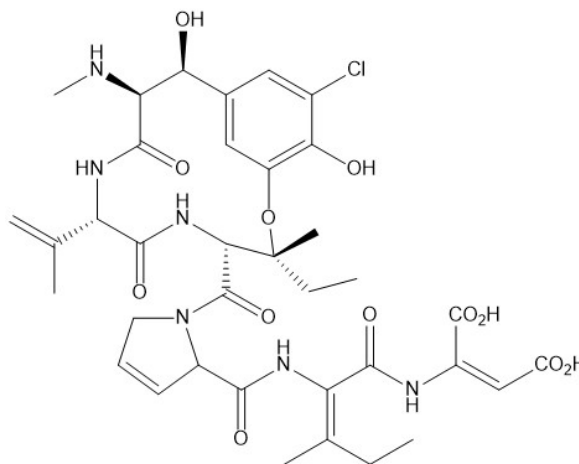
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 10 mg/ml)

Storage: -20°C

Stability: ≥ 2 years



Applications

Microtubule binding agent

Functions

Novel fungal metabolite produced by *Phomopsis* sp. which may contaminate food and feed stocks. It binds to tubulin at the vinca site. Phomopsin interferes with intracellular transport, inhibits eukaryotic cell proliferation, and promotes cell death by suppressing microtubule dynamics.

Application Procedures

First dissolved in DMSO (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.