

## Ansamitocin P3, Microtubule depolymerizer

Catalog	Unit
TBI2199 - 1MG	1 mg
TBI2199 - 5MG	5 mg

### Product Details

**Formal Name:** 4-[2-[[2-(1-benzothiophen-3-yl)-9-propan-2-ylpurin-6-yl]amino]ethyl]phenol

**Molecular Formula:** C<sub>32</sub>H<sub>43</sub>ClN<sub>2</sub>O<sub>9</sub>

**Formula Weight:** 635.16

**CAS Number:** 66547-09-9

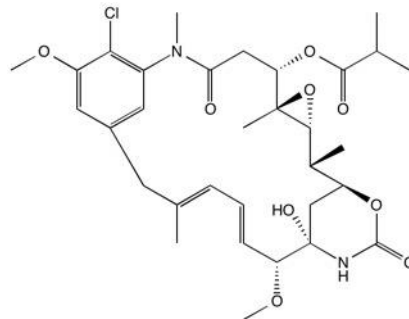
**Purity:** >90%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (up to 50 mg/ml) or in Ethanol (up to 30 mg/ml with warming)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Microtubule depolymerizer

### Functions

Ansamitocin P3 (66547-09-9) is a fungal metabolite from *Actinosynnema pretiosum* which binds to the phomopsin A/rhizoxin site on tubulin. Ansamitocin P3 is a maytansine analog which displays potent cytotoxicity against various human tumor cell lines. Maytansine and its analogs cause extensive disassembly of microtubules and totally prevent tubulin spiralization.

### Application Procedures

First dissolved in DMSO (up to 50 mg/ml) or ethanol (up to 30 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 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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