

## Epothilone B, Microtubule stabilizing agent

Catalog	Unit
TBI2133- 1MG	1 mg
TBI2133- 5MG	5 mg

### Product Details

**Formal Name:** (1S,3S,7S,10R,11S,12S,16R)-7,11-dihydroxy-8,8,10,12,16-pentamethyl-3-[(E)-1-(2-methyl-1,3-thiazol-4-yl)prop-1-en-2-yl]-4,17-dioxabicyclo[14.1.0]heptadecane-5,9-dione

**Alternate Names:** EPO-906; EpoBI, Patupilone

**Molecular Formula:** C<sub>27</sub>H<sub>41</sub>NO<sub>6</sub>S

**Formula Weight:** 507.69

**CAS Number:** 152044-54-7

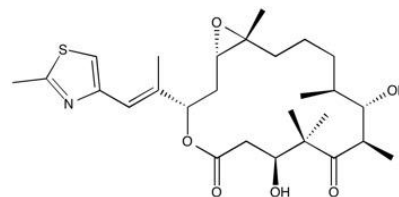
**Purity:** 99%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (up to 40 mg/ml) or in Ethanol (up to 35 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Microtubule stabilizing agent

### Functions

Epothilone B (152044-54-7) induces microtubule polymerization. Causes cell cycle arrest at the G<sub>2</sub>-M transition (EC<sub>50</sub> = 32 nM for HeLa cells). Induces apoptosis. Cell permeable.

### Application Procedures

First dissolved in DMSO (40 mg/ml) or ethanol (35 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

### 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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