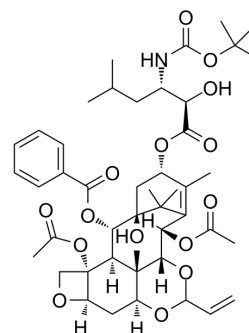


## TPI-287

Cat. No.:	HY-126899
CAS No.:	849213-15-6
Molecular Formula:	C <sub>46</sub> H <sub>63</sub> NO <sub>15</sub>
Molecular Weight:	869.99
Target:	Microtubule/Tubulin
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 100 mg/mL (114.94 mM)  
\* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		1.1494 mL	5.7472 mL	11.4944 mL
	5 mM		0.2299 mL	1.1494 mL	2.2989 mL
	10 mM		0.1149 mL	0.5747 mL	1.1494 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

TPI-287, a blood-brain barrier-permeable microtubule stabilizer, can significantly reduce metastatic colonization of breast cancer in the brain<sup>[1]</sup>.

#### In Vivo

TPI-287 (i.v., 18 mg/kg, every 4 days, 41 days) can effectively reduce tumor volume and inhibit tumor growth in mouse tumor models inoculated with 231-BR breast cancer cells<sup>[1]</sup>.  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Daniel P Fitzgerald, et al. TPI-287, a new taxane family member, reduces the brain metastatic colonization of breast cancer cells. Mol Cancer Ther. 2012 Sep;11(9):1959-67.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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