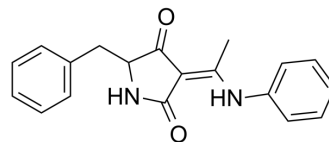


TN-16

Cat. No.:	HY-119357		
CAS No.:	33016-12-5		
Molecular Formula:	C ₁₉ H ₁₈ N ₂ O ₂		
Molecular Weight:	306.36		
Target:	Microtubule/Tubulin		
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (163.21 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.2641 mL	16.3207 mL	32.6413 mL
5 mM	0.6528 mL	3.2641 mL	6.5283 mL
10 mM	0.3264 mL	1.6321 mL	3.2641 mL

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

BIOLOGICAL ACTIVITY

Description

TN-16 is a potent inhibitor of microtubule polymerization with IC₅₀ of 0.4-1.7 μM^[1].

REFERENCES

[1]. Arai T. Inhibition of microtubule assembly in vitro by TN-16, a synthetic antitumor drug. FEBS Lett. 1983 May 8;155(2):273-6.

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

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