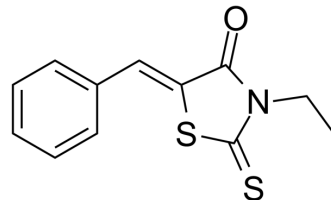


BTR-1

Cat. No.:	HY-111617		
CAS No.:	18331-34-5		
Molecular Formula:	C ₁₂ H ₁₁ NOS ₂		
Molecular Weight:	249.35		
Target:	Apoptosis		
Pathway:	Apoptosis		
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 : 25 mg/mL (100.26 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	4.0104 mL	20.0521 mL	40.1043 mL
		5 mM	0.8021 mL	4.0104 mL	8.0209 mL
10 mM		0.4010 mL	2.0052 mL	4.0104 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (8.34 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (8.34 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	BTR-1 is an active anti-cancer agent, causes S phase arrest, and affects DNA replication in leukemic cells. BTR-1 activates apoptosis and induces cell death ^[1] .
IC ₅₀ & Target	Apoptosis ^[1]

REFERENCES

[1]. Moorthy BT, et al. Novel rhodanine derivatives induce growth inhibition followed by apoptosis. Bioorg Med Chem Lett. 2010 Nov 1;20(21):6297-301.

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

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