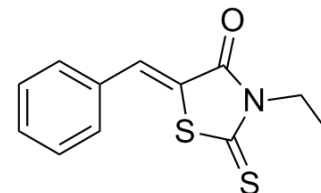


BTR-1

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)
 H₂O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	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

- Add each solvent one by one: **10% DMSO >> 90% corn oil**
 Solubility: ≥ 2.08 mg/mL (8.34 mM); Clear solution
- 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

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].

IC₅₀ & Target
 Apoptosis^[1]

REFERENCES

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

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