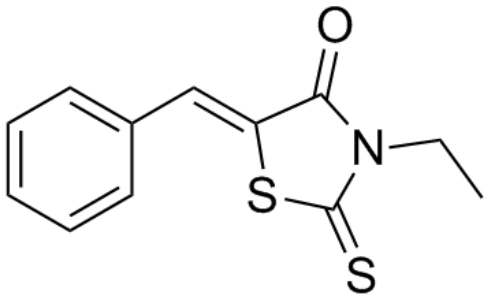
Product Data Sheet

Product Name: BTR-1
Cat. No.: GC34511

Chemical Properties

Cas. No.	18331-34-5		
SMILES	S=C(N(CC)C/1=O)SC1=C/C2=CC=CC=C2		
Formula	$C_{12}H_{11}NOS_2$	M.Wt	249.35
Solubility	DMSO : 25 mg/mL (100.26 mM);Water : < 0.1 mg/mL (insoluble)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

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]. Apoptosis[1]

BTR-1 (10, 50, 100, and 250 μM, 5 days) dose-dependently causes cytotoxicity in human leukemic cells, with IC50s of 8 and 6 μM at 48 and 72 h, respectively[1]. Cell Viability Assay[1] Cell Line: T-cell leukemic cell lines

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

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