

Product Data Sheet

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

Chemical Properties

Cas. No. 18331-34-5

SMILES S=C(N(CC)C(=O)SC1=CC=CC=CC=C1)SC1=CC=CC=CC=C1

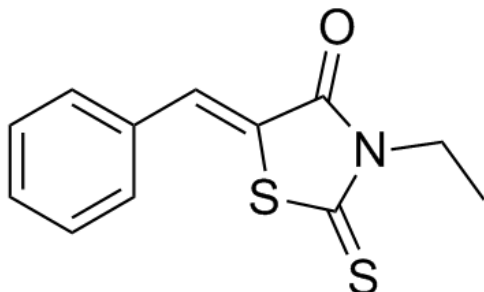
Formula $C_{12}H_{11}NOS_2$ M.Wt 249.35

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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