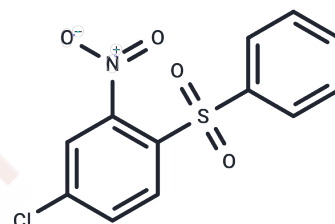


BTB-1

Chemical Properties

CAS No. : 86030-08-2
 Formula: C₁₂H₈ClNO₄S
 Molecular Weight: 297.71
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	BTB-1 (NSC156750) is a novel small molecule inhibitor of the mitotic motor protein Kif18A.
Targets(IC50)	Microtubule Associated

Solubility Information

Solubility	Ethanol: 20 mM, Sonication is recommended. DMSO: 45 mg/mL (151.15 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.359 mL	16.7949 mL	33.5897 mL
5 mM	0.6718 mL	3.359 mL	6.7179 mL
10 mM	0.3359 mL	1.6795 mL	3.359 mL
50 mM	0.0672 mL	0.3359 mL	0.6718 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Catarinella M., et al. BTB-1: a small molecule inhibitor of the mitotic motor protein Kif18A. Angew Chem Int Ed Engl. 2009;48(48):9072-6.

Braun J., et al. Synthesis and biological evaluation of optimized inhibitors of the mitotic kinesin Kif18A. ACS Chem Biol. 2015 Feb 20;10(2):554-60.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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