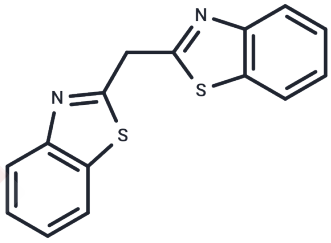
Data Sheet (Cat.No.T212774)

TargetMol

Bis(2-benzothiazolyl)methane

Chemical Properties



CAS No. : 1945-78-4

Formula: C15H10N2S2

Molecular Weight: 282.38

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Bis(2-benzothiazolyl)methane is a versatile bidentate ligand and synthetic intermediate containing a bis-benzothiazole scaffold. Its active methylene and heterocyclic nature endow it with strong metal ion chelating abilities, widely used in designing specific fluorescent sensors and constructing metallo-heterocyclic antineoplastic libraries.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5413 mL	17.7066 mL	35.4133 mL
5 mM	0.7083 mL	3.5413 mL	7.0827 mL
10 mM	0.3541 mL	1.7707 mL	3.5413 mL
50 mM	0.0708 mL	0.3541 mL	0.7083 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Serrano J L, Maia A, Santos A O, et al. An insight into symmetrical cyanine dyes as promising selective antiproliferative agents in Caco-2 colorectal cancer cells[J]. Molecules, 2022, 27(18): 5779.

Ersan R H, Alagoz M A, Ertan-Bolelli T, et al. Head-to-head bisbenzazole derivatives as antiproliferative agents: design, synthesis, in vitro activity, and SAR analysis[J]. Molecular Diversity, 2021, 25(4): 2247-2259.

Uckun FM, et al. Anti-breast cancer activity of LFM-A13, a potent inhibitor of Polo-like kinase (PLK). Bioorg Med Chem. 2007 Jan 15;15(2):800-14.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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