Data Sheet (Cat.No.T19807)



Dithiazanine iodide

Chemical Properties

CAS No.: 514-73-8

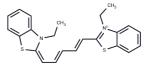
Formula: C23H23IN2S2

Molecular Weight: 518.48

Appearance: no data available

Storage: keep away from direct sunlight

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Dithiazanine iodide (Netocyd) is a benzothiazole. It has been used as an antinematodal agent. It also has been effective as a nanoparticle in treating glioblastoma.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 5.18 mg/mL (10 mM)		
	(< 1 mg/ml refers to the product slightly soluble or insoluble)		

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9287 mL	9.6436 mL	19.2871 mL
5 mM	0.3857 mL	1.9287 mL	3.8574 mL
10 mM	0.1929 mL	0.9644 mL	1.9287 mL
50 mM	0.0386 mL	0.1929 mL	0.3857 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

Beatrice, Karg, Andrea, et al. Molecular Recognition and Visual Detection of G-Quadruplexes by a Dicarbocyanine Dye.[J]. Chemistry (Weinheim an der Bergstrasse, Germany), 2015, 21(39):13802-11.

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