

Dithiazanine iodide

Chemical Properties

CAS No. : 514-73-8

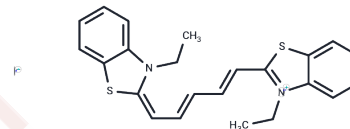
Formula: C₂₃H₂₃IN₂S₂

Molecular Weight: 518.48

Keep away from direct sunlight

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	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,Parasite

Solubility Information

Solubility DMSO: 5.19 mg/mL (10.01 mM),Sonication is recommended.
(< 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.

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

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

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Zhou J, Patel TR, Sirianni RW, Strohbahn G, Zheng MQ, Duong N, Schafbauer T, Huttner AJ, Huang Y, Carson RE, Zhang Y, Sullivan DJ Jr, Piepmeier JM, Saltzman WM. Highly penetrative, drug-loaded nanocarriers improve treatment of glioblastoma. Proc Natl Acad Sci U S A. 2013 Jul 16;110(29):11751-6. doi: 10.1073/pnas.1304504110. Epub 2013 Jul PubMed PMID: 23818631; PubMed Central PMCID: PMC3718184.

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