

Rhodamine dithenoyl hydrazide

Chemical Properties

CAS No. : 2740257-94-5

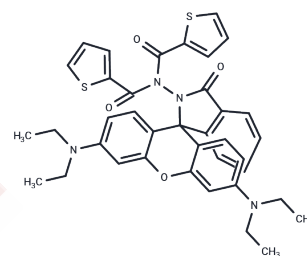
Formula: C₃₈H₃₆N₄O₄S₂

Molecular Weight: 676.85

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	Rhodamine dithenoyl hydrazide is a selective Fe ³⁺ ion fluorescent probe for live cells, exhibiting maximum excitation at 543 nm and absorption between 550-700 nm.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 20 mg/mL (29.55 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	1.4774 mL	7.3872 mL	14.7743 mL
5 mM	0.2955 mL	1.4774 mL	2.9549 mL
10 mM	0.1477 mL	0.7387 mL	1.4774 mL
50 mM	0.0295 mL	0.1477 mL	0.2955 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

Liu Y, et al. A selective N,N-dithenoyl-rhodamine based fluorescent probe for Fe³⁺ detection in aqueous and living cells. J Environ Sci (China). 2020;90:180-188.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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