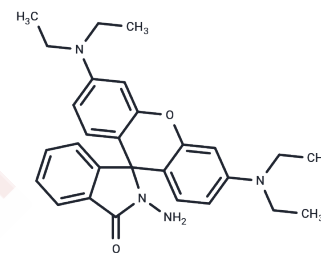


Rhodamine B hydrazide

Chemical Properties

CAS No. :	74317-53-6
Formula:	C ₂₈ H ₃₂ N ₄ O ₂
Molecular Weight:	456.58
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Rhodamine B hydrazide serves as an effective probe for sulfite detection, transitioning from colorless and non-fluorescent to emitting Rhodamine B-like fluorescence upon interaction with sulfite (5-800 ng/mL; detection limit=1.4 ng/mL (3σ)). This process occurs as sulfite reduces dissolved oxygen, generating superoxide radicals that react with Rhodamine B hydrazide to yield Rhodamine B. The addition of Tween 80 surfactant micelles further enhances this fluorescence. The absorption and fluorescence emission maxima of Rhodamine B hydrazide are at 554 nm and 574 nm, respectively [1].
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1902 mL	10.951 mL	21.902 mL
5 mM	0.438 mL	2.1902 mL	4.3804 mL
10 mM	0.219 mL	1.0951 mL	2.1902 mL
50 mM	0.0438 mL	0.219 mL	0.438 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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