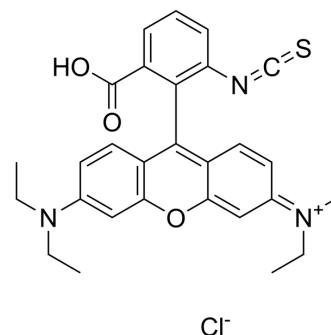


Rhodamine B isothiocyanate

Cat. No.:	HY-112697
CAS No.:	36877-69-7
Molecular Formula:	C ₂₉ H ₃₀ ClN ₃ O ₃ S
Molecular Weight:	536.08
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 12.5 mg/mL (23.32 mM; ultrasonic and warming and heat to 70°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
1 mM		1.8654 mL	9.3270 mL	18.6539 mL
5 mM		0.3731 mL	1.8654 mL	3.7308 mL
10 mM		0.1865 mL	0.9327 mL	1.8654 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Rhodamine B isothiocyanate (RBITC) is a fluorescent dye commonly used in biological imaging and labeling applications. It has an isothiocyanate functional group that can be covalently attached to amino groups on proteins and other biomolecules, making it useful for fluorescent labeling of cells and tissues. RBITC fluoresces bright orange-red under green light excitation, which makes it easy to detect and track labeled molecules in complex samples. Due to its stability and sensitivity, RBITC has been widely used in various research fields, including cell biology, immunology, and neurobiology.

In Vitro

Rhodamine B isothiocyanate is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Caution: Product has not been fully validated for medical applications. For research use only.

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