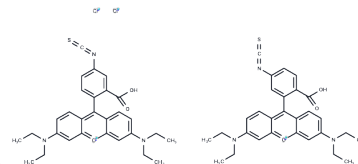


Rhodamine B isothiocyanate (mixed isomers)

Chemical Properties

CAS No. :	944130-99-8
Formula:	C ₅₈ H ₆₀ Cl ₂ N ₆ O ₆ S ₂
Molecular Weight:	1072.17
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	Rhodamine B isothiocyanate (RITC) is a cell-permeant fluorogenic dye most often used as a conjugate to antibodies and proteins for fluorescence detection in microscopy. It displays excitation/emission maxima of 570/595 nm, respectively, and can be used in conjunction with immunohistochemistry for multi-labeling studies. It has also been used as an anterograde and retrograde tracer in neurons and in nanoparticles to detect apoptosis.
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Solubility Information

Solubility	DMF: 25 mg/mL Ethanol: 15 mg/mL DMSO: 15 mg/mL DMF:PBS (pH 7.2)(1:3): 0.16 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9327 mL	4.6634 mL	9.3269 mL
5 mM	0.1865 mL	0.9327 mL	1.8654 mL
10 mM	0.0933 mL	0.4663 mL	0.9327 mL
50 mM	0.0187 mL	0.0933 mL	0.1865 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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