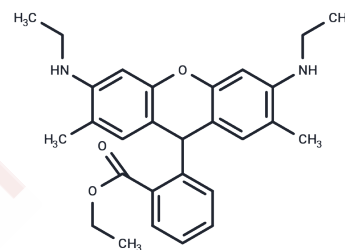


Dihydrorhodamine 6G

Chemical Properties

CAS No. :	217176-83-5
Formula:	C ₂₈ H ₃₂ N ₂ O ₃
Molecular Weight:	444.57
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	Dihydrorhodamine 6G (DHR 6G), the non-fluorescent reduced counterpart of Rhodamine 6G, penetrates various cells and undergoes oxidation by reactive oxygen species (ROS), including superoxide [1], or cellular redox systems, transforming into the fluorescent Rhodamine 6G that localizes within mitochondrial membranes. This property makes DHR 6G valuable for identifying ROS.
Targets(IC50)	Others,Reactive Oxygen Species,ROS

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2494 mL	11.2468 mL	22.4936 mL
5 mM	0.4499 mL	2.2494 mL	4.4987 mL
10 mM	0.2249 mL	1.1247 mL	2.2494 mL
50 mM	0.045 mL	0.2249 mL	0.4499 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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