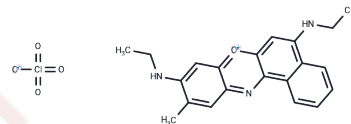


Oxazine 170 perchlorate

Chemical Properties

CAS No. :	62669-60-7
Formula:	C ₂₁ H ₂₂ ClN ₃ O ₅
Molecular Weight:	431.87
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	Oxazine 170 perchlorate, a laser dye with a broad excitation spectrum (300–550 nm), strongly absorbs light wavelengths above 550 nm and emits fluorescence at approximately 645 nm [1].
Targets(IC50)	Others
In vitro	Oxazine 170 perchlorate, when combined with semiconductor nanomaterials, serves as a ratiometric photochemical pH sensor [1]. This compound exhibits fluorescence properties with an excitation wavelength range of 300-550 nm and an emission spectrum at 645 nm [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3155 mL	11.5776 mL	23.1551 mL
5 mM	0.4631 mL	2.3155 mL	4.631 mL
10 mM	0.2316 mL	1.1578 mL	2.3155 mL
50 mM	0.0463 mL	0.2316 mL	0.4631 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.

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