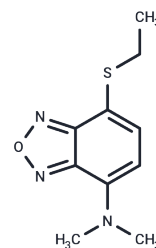


EtS-DMAB

Chemical Properties

CAS No. :	2929446-76-2
Formula:	C10H13N3OS
Molecular Weight:	223.29
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	EtS-DMAB (HClO-green), a selective fluorescent probe, enables the detection of hypochlorous acid (HOCl) with excitation and emission wavelengths of 440 nm (λ_{ex}) and 610 nm (λ_{em}), respectively. This compound is utilized for imaging both exogenous and endogenous HOCl in live cells [1].
Targets(IC50)	Others
In vitro	EtS-DMAB selectively detects hypochlorous acid (HOCl) in aqueous solutions over other reactive oxygen species, with a significant Stokes shift of approximately 170 nm. The fluorescence activation is attributed to the oxidation of the thioether to the corresponding sulfoxide [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4785 mL	22.3924 mL	44.7848 mL
5 mM	0.8957 mL	4.4785 mL	8.957 mL
10 mM	0.4478 mL	2.2392 mL	4.4785 mL
50 mM	0.0896 mL	0.4478 mL	0.8957 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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