

3-HTC

Chemical Properties

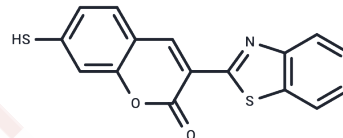
CAS No. : 1356543-39-9

Formula: C₁₆H₉NO₂S₂

Molecular Weight: 311.38

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	3-HTC serves as a reversible chemical fluorescent probe that interacts with thiols and disulfides. This compound enables the measurement of GSH/GSSH ratios dynamically in vitro and facilitates monitoring of the reversible redox status in whole cell lysates (λ max: 448 nm in its reduced thiolate form, and a λ max 370-410 nm for the oxidized mixed disulfide) [1].
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2115 mL	16.0576 mL	32.1151 mL
5 mM	0.6423 mL	3.2115 mL	6.423 mL
10 mM	0.3212 mL	1.6058 mL	3.2115 mL
50 mM	0.0642 mL	0.3212 mL	0.6423 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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