

Fast-TRFS

Chemical Properties

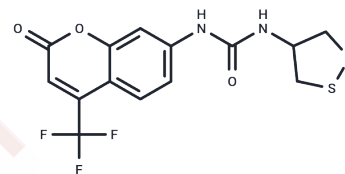
CAS No. : 2966536-18-3

Formula: C₁₄H₁₁F₃N₂O₃S₂

Molecular Weight: 376.37

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	Fast-TRFS, a selective and superfast fluorogenic probe of thioredoxin reductase (TrxR), can be utilized for imaging TrxR activity in live cells [1].
Targets(IC50)	Others
In vitro	Fast-TRFS incubated with TCEP reaches maximal fluorescence within 1 minute, and within 5 minutes when incubated with the TrxR enzyme [1]. In HeLa cells, Fast-TRFS (10 μM; 2-60 min) exhibits a blue fluorescence signal within 2 minutes [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.657 mL	13.2848 mL	26.5696 mL
5 mM	0.5314 mL	2.657 mL	5.3139 mL
10 mM	0.2657 mL	1.3285 mL	2.657 mL
50 mM	0.0531 mL	0.2657 mL	0.5314 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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