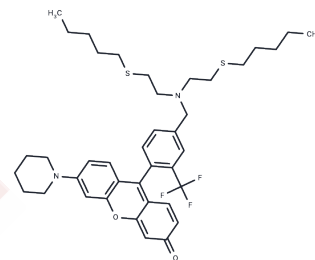


Ctrl-CF4-S2

Chemical Properties

CAS No. : 2365532-65-4
 Formula: C40H51F3N2O2S2
 Molecular Weight: 712.97
 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	Ctrl-CF4-S2 is a control probe for the chemically modified Copper Fluor-4 (CF4), in which two of the four thioether ligands of the CF4 probe are replaced with methylene groups. Unlike CF4, which is a fluorescent probe used to detect the presence and distribution of copper ions, Ctrl-CF4-S2 does not respond to copper ions. This lack of response helps eliminate background signals from copper ions, thereby confirming whether the signals from CF4 accurately reflect the dynamic changes of copper ions within biological systems.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4026 mL	7.0129 mL	14.0258 mL
5 mM	0.2805 mL	1.4026 mL	2.8052 mL
10 mM	0.1403 mL	0.7013 mL	1.4026 mL
50 mM	0.0281 mL	0.1403 mL	0.2805 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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