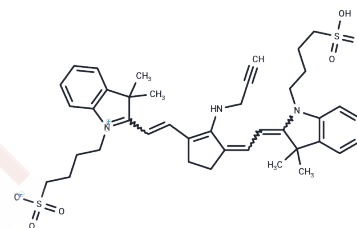


## Alkyne cyanine dye 718

## Chemical Properties

CAS No. :	1188292-54-7
Formula:	C40H49N3O6S2
Molecular Weight:	731.96
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	Alkyne cyanine dye 718 serves as a versatile tool across multiple scientific and industrial applications. This dye is pivotal in biological experiments, aiding in the observation and analysis of cellular structures, tracking biomolecules, evaluating cell functions, differentiating cell types, and studying tissue pathology. Its uses extend beyond basic research to include clinical diagnostics, ensuring broad utility in both traditional domains like textile dyeing and innovative areas such as functional textile processing, food coloring, and dye-sensitized solar cells.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3662 mL	6.831 mL	13.6619 mL
5 mM	0.2732 mL	1.3662 mL	2.7324 mL
10 mM	0.1366 mL	0.6831 mL	1.3662 mL
50 mM	0.0273 mL	0.1366 mL	0.2732 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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