

CY3-YNE

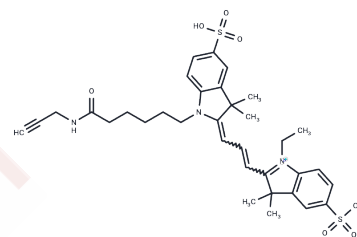
Chemical Properties

CAS No. : 1010386-62-5

Formula: C₃₄H₄₂N₃O₇S₂

Molecular Weight: 668.84

Storage: Keep away from direct sunlight, Store at low temperature, Keep away from moisture
 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	CY3-YNE (Sulfo-Cyanine3-alkyne) is a dye labeled with a biomarker group alkyne, which can be used to label proteins, antibodies, peptides, nucleic acid molecules, and nanoparticles (Ex/Em: 554/566 nm).
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 20 mg/mL (29.9 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 0.5 mg/mL (0.75 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4951 mL	7.4756 mL	14.9513 mL
5 mM	0.299 mL	1.4951 mL	2.9903 mL
10 mM	0.1495 mL	0.7476 mL	1.4951 mL
50 mM	0.0299 mL	0.1495 mL	0.299 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.

Reference

Rambarran, et al. Bonding and in-channel microfluidic functionalization using the huisgen cyclization. Journal of Polymer Science Part A: Polymer Chemistry 56.6 (2018): 589-597.

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