

Cyanine5 alkyne

Chemical Properties

CAS No. : 1223357-57-0

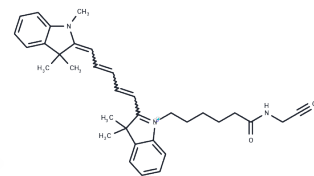
Formula: C₃₅H₄₂ClN₃O

Molecular Weight: 556.18

Keep away from direct sunlight

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	Cyanine5 alkyne (Alkyne-Cy5), a fluorescent dye, labels azide proteins for analyzing post-translational modifications, such as glycosylation. Additionally, it serves as a mitochondrial OXPHOS inhibitor, curtailing the proliferation of cancer stem cells (CSC) [1] [2]. Store this compound in a location shielded from light.
Targets(IC50)	Others,OXPHOS,Mitochondrial Metabolism

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.798 mL	8.989 mL	17.9798 mL
5 mM	0.3596 mL	1.798 mL	3.596 mL
10 mM	0.1798 mL	0.899 mL	1.798 mL
50 mM	0.036 mL	0.1798 mL	0.3596 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481