

Cyanine7 azide

Chemical Properties

CAS No. :

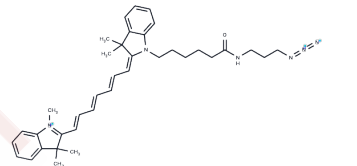
Formula: C₃₇H₄₇ClN₆O

Molecular Weight: 627.262

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 | Cyanine7 azide is a potent fluorescent dye employed for near-infrared in vivo imaging ($\lambda_{ex}=756$ nm, $\lambda_{em}=779$ nm). It serves as a click chemistry reagent, featuring an azide group that enables copper-catalyzed azide-alkyne cycloaddition (CuAAC) with alkyne-containing molecules. Additionally, it can participate in strain-promoted azide-alkyne cycloaddition (SPAAC) with molecules containing DBCO or BCN groups. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.5942 mL | 7.9712 mL | 15.9424 mL |
| 5 mM | 0.3188 mL | 1.5942 mL | 3.1885 mL |
| 10 mM | 0.1594 mL | 0.7971 mL | 1.5942 mL |
| 50 mM | 0.0319 mL | 0.1594 mL | 0.3188 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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