

## Cyanine3B azide

## Chemical Properties

CAS No. : 1914113-85-1

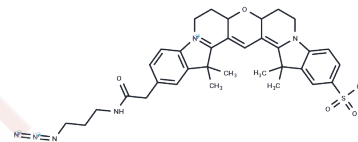
Formula: C<sub>34</sub>H<sub>38</sub>N<sub>6</sub>O<sub>5</sub>S

Molecular Weight: 642.768

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	Cyanine3B azide is utilized for click chemistry reactions, either by copper-catalyzed reactions with terminal alkynes or copper-free reactions with strained cyclooctynes. Cyanine3B is a yellow-emitting cyanine dye and an improved version of the Cyanine3 fluorophore, offering significantly higher fluorescence quantum yield and photostability. Due to its fixed conformation, Cyanine3B achieves the highest emission quantum yield among dyes of this wavelength. This non-sulfonated dye requires organic co-solvents (DMF, DMSO, or others) for effective labeling in aqueous solutions.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5558 mL	7.7788 mL	15.5577 mL
5 mM	0.3112 mL	1.5558 mL	3.1115 mL
10 mM	0.1556 mL	0.7779 mL	1.5558 mL
50 mM	0.0311 mL	0.1556 mL	0.3112 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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