

## FL-DIBO

## Chemical Properties

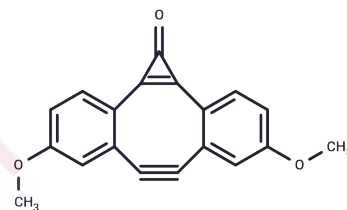
CAS No. : 1407523-31-2

Formula: C<sub>19</sub>H<sub>12</sub>O<sub>3</sub>

Molecular Weight: 288.3

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	FL-DIBO (fluorogenic dibenzocyclooctyne) serves as a selective fluorescent probe with high sensitivity for azide compounds, rapidly forming highly fluorescent products upon reaction. These products showcase a maximum emission wavelength of 469 nm alongside an excitation wavelength of 363 nm. FL-DIBO is particularly useful for labeling diazo-tagged proteins, maintaining clarity by avoiding detectable background signal interference [1] [2]. As a click chemistry reagent, FL-DIBO contains an Alkyne group and is capable of undergoing copper-catalyzed azide-alkyne cycloaddition (CuAAC) with Azide-containing molecules.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4686 mL	17.343 mL	34.6861 mL
5 mM	0.6937 mL	3.4686 mL	6.9372 mL
10 mM	0.3469 mL	1.7343 mL	3.4686 mL
50 mM	0.0694 mL	0.3469 mL	0.6937 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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