

## BDP FL DBCO

## Chemical Properties

CAS No. : 2093197-94-3

Formula: C<sub>32</sub>H<sub>29</sub>BF<sub>2</sub>N<sub>4</sub>O<sub>2</sub>

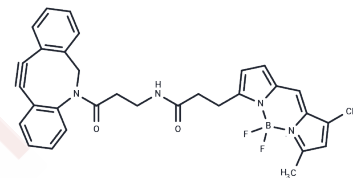
Molecular Weight: 550.41

Keep away from direct sunlight, Store at low temperature

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	BDP FL DBCO is a cleavable linker molecule critical for antibody-drug conjugate (ADC) synthesis. BDP FL DBCO enables the covalent attachment of cytotoxic drugs to antibodies, ensuring targeted delivery to cells or proteins, and the cleavable nature facilitates controlled drug release, optimizing the pharmacodynamic effectiveness of ADCs in oncology studies.
Targets(IC50)	ADC Linker, PROTAC Linker
In vitro	The BDP FL DBCO molecule contains a DBCO (dibenzocyclooctyne) group, which can undergo copper-free click chemistry reactions with azides. Its excitation wavelength ( $\lambda_{ex}$ ) and emission wavelength ( $\lambda_{em}$ ) are 503 nm and 512 nm, respectively [1].

## Solubility Information

Solubility	DMSO: 100 mg/mL (181.68 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8168 mL	9.0841 mL	18.1683 mL
5 mM	0.3634 mL	1.8168 mL	3.6337 mL
10 mM	0.1817 mL	0.9084 mL	1.8168 mL
50 mM	0.0363 mL	0.1817 mL	0.3634 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

Hou S, et al. A Self-Assembled Plasmonic Substrate for Enhanced Fluorescence Resonance Energy Transfer. Adv Mater. 2020 Feb;32(8):e1906475.

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