

MB 543 DBCO

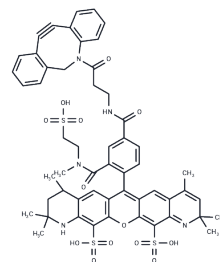
Chemical Properties

CAS No. : 2563610-26-2

Formula: C₅₄H₅₃N₅O₁₃S₃

Molecular Weight: 1076.22

Storage: Keep away from direct sunlight
 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	MB 543 DBCO is a fluorescent agent with a terminal DBCO group. The DBCO group is commonly utilized in copper-free click chemistry due to its strain-induced high reactivity. MB 543 alkyne is a highly hydrophilic, water-soluble orange fluorescent dye, exhibiting a maximum absorption wavelength of 543 nm and an emission wavelength of 566 nm. This compound remains stable across a pH range of pH 3 to pH 10.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9292 mL	4.6459 mL	9.2918 mL
5 mM	0.1858 mL	0.9292 mL	1.8584 mL
10 mM	0.0929 mL	0.4646 mL	0.9292 mL
50 mM	0.0186 mL	0.0929 mL	0.1858 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.

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