

TAMRA DBCO, 5-isomer

Chemical Properties

CAS No. : 1911598-65-6

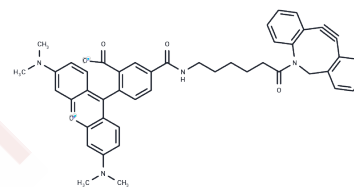
Formula: C₄₆H₄₂N₄O₅

Molecular Weight: 730.849

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	TAMRA DBCO, 5-isomer is a derivative of tetramethylrhodamine (TMR, TAMRA) that includes a cyclooctyne moiety (dibenzocyclooctyne, DBCO). This compound is the pure 5-isomer and is capable of reacting rapidly and efficiently with azides in a copper-free manner through strain-promoted azide-alkyne cycloaddition (SPAAC). TAMRA DBCO, 5-isomer can be employed for labeling proteins, peptides, nucleic acids, and other azide-containing molecules.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3683 mL	6.8413 mL	13.6827 mL
5 mM	0.2737 mL	1.3683 mL	2.7365 mL
10 mM	0.1368 mL	0.6841 mL	1.3683 mL
50 mM	0.0274 mL	0.1368 mL	0.2737 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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Tel: 781-999-4286

E_mail: info@targetmol.com

Address: 34 Washington Street, Wellesley Hills, MA 02481