

DY-680-NHS ester

Chemical Properties

CAS No. : 1264737-80-5

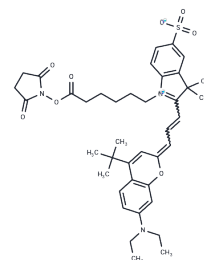
Formula: C₄₀H₄₉N₃O₈S

Molecular Weight: 731.897

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	DY-680-NHS ester is an amine-reactive, hydrophilic fluorescent dye. It efficiently conjugates with antibodies at high degrees of labeling (D/P ratios) without causing fluorescence quenching or precipitating the conjugates. This compound is widely used in applications such as protein blotting, microscopy, flow cytometry, and cell-based assays. Its spectral properties include an excitation wavelength of 690 nm and an emission wavelength of 709 nm.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3663 mL	6.8315 mL	13.6631 mL
5 mM	0.2733 mL	1.3663 mL	2.7326 mL
10 mM	0.1366 mL	0.6832 mL	1.3663 mL
50 mM	0.0273 mL	0.1366 mL	0.2733 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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