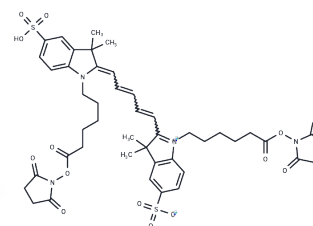


## Cy5-bifunctional dye potassium

### Chemical Properties

CAS No. :	252255-42-8
Formula:	C45H52KN4O14S2
Molecular Weight:	976.141
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



### Biological Description

Description	Cy5-bifunctional dye potassium is a water-soluble bifunctional dye with two NHS ester terminal groups. The NHS ester can react specifically and efficiently under neutral or mildly alkaline conditions with primary amines, such as lysine residue side chains or amino silane-coated surfaces, forming covalent bonds. This dye is applicable for amine cross-linking and other advanced labeling applications.
Targets(IC50)	Others

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0244 mL	5.1222 mL	10.2444 mL
5 mM	0.2049 mL	1.0244 mL	2.0489 mL
10 mM	0.1024 mL	0.5122 mL	1.0244 mL
50 mM	0.0205 mL	0.1024 mL	0.2049 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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