# Data Sheet (Cat.No.T18949)



#### CY5-SE

## **Chemical Properties**

CAS No.: 146368-14-1

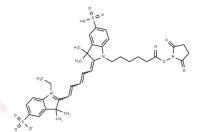
Formula: C37H43N3O10S2

Molecular Weight: 753.89

Appearance: no data available

Storage: keep away from direct sunlight

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



# **Biological Description**

Description	CY5-SE (Sulfo-Cyanine5 Succinimidyl Ester) is a reactive dye for the labeling of aminogroups in peptides, proteins, and oligonucleotides (Excitation: 649 nm, Emission: 670 nm).
Targets(IC50)	Others

### **Solubility Information**

Solubility	DMSO: 25 mg/mL (33.16 mM),Sonication is recommended.	
	(< 1 mg/ml refers to the product slightly soluble or insoluble)	

# **Preparing Stock Solutions**

	1mg	5mg	10mg
1 mM	1.3265 mL	6.6323 mL	13.2645 mL
5 mM	0.2653 mL	1.3265 mL	2.6529 mL
10 mM	0.1326 mL	0.6632 mL	1.3265 mL
50 mM	0.0265 mL	0.1326 mL	0.2653 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.

#### Reference

Liu M, He D, Yang T, et al. An efficient antimicrobial depot for infectious site-targeted chemo-photothermal therapy[J]. Journal of Nanobiotechnology, 2018, 16(1):23.

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