

Sulfo-Cy5.5

Chemical Properties

CAS No.:	210892-23-2
Formula:	C ₄₁ H ₄₄ N ₂ O ₁₄ S ₄
Molecular Weight:	917.05
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Cy5.5 used to label biological molecules, such as peptides, proteins, and oligonucleotides. Cy5.5 is a near-infrared fluorescent dye (Ex=673 nm, Em=707 nm)
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Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.090 mL	5.452 mL	10.905 mL
5 mM	0.218 mL	1.090 mL	2.181 mL
10 mM	0.109 mL	0.545 mL	1.090 mL
50 mM	0.022 mL	0.109 mL	0.218 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Jiang L, et al. pH/temperature sensitive magnetic nogels conjugated with Cy5.5-labeled lactoferrin for MR and fluorescence imaging of glioma in rats. *Biomaterials*. 2013 Oct;34(30):7418-28.
- Zhu S, et al. Visualizing cancer and response to therapy in vivo using Cy5.5-labeled factor VIIa and anti-tissue factor antibody. *J Drug Target*. 2015 Apr;23(3):257-65.
- Lim B, et al. A Unique Recombinant Fluoroprobe Targeting Activated Platelets Allows In Vivo Detection of Arterial Thrombosis and Pulmonary Embolism Using a Novel Three-Dimensional Fluorescence Emission Computed Tomography (FLECT) Technology. *Theranostics*. 2017 Feb 26;7(5):1047-1061.

Inhibitors · Natural Compounds · Compound Libraries

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