

Sulfo-Cy5.5 ethylenediamine

Chemical Properties

CAS No. :

Formula: C43H47K3N4O14S4

Molecular Weight: 1089.41

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	Sulfo-Cyanine5.5 is a water soluble cyanine dye for far red / NIR applications such as in vivo imaging. The dye possesses four sulfonate groups that render it highly hydrophilic and water soluble. As well as other cyanines, sulfo-Cyanine5.5 has an outstanding extinction coefficient that makes it a bright fluorescent label for the far red region.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9179 mL	4.5896 mL	9.1793 mL
5 mM	0.1836 mL	0.9179 mL	1.8359 mL
10 mM	0.0918 mL	0.459 mL	0.9179 mL
50 mM	0.0184 mL	0.0918 mL	0.1836 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.

Reference

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. [2]. 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. [3]. 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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