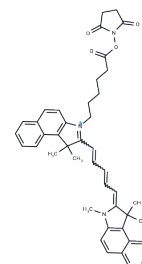


Cyanine5.5 NHS ester chloride

Chemical Properties

CAS No. :	1469277-96-0
Formula:	C44H46ClN3O4
Molecular Weight:	716.31
Storage:	Keep away from direct sunlight Store at -20°C <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Cyanine5.5 NHS ester chloride is a Cyanine 5.5-derived dye with excitation/emission wavelengths of 680/695 nm, used for labelling proteins, antibodies, and small molecules.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 40 mg/mL (55.84 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.396 mL	6.9802 mL	13.9604 mL
5 mM	0.2792 mL	1.396 mL	2.7921 mL
10 mM	0.1396 mL	0.698 mL	1.396 mL
50 mM	0.0279 mL	0.1396 mL	0.2792 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.
- Ju Hee Ryu, et al. Non-invasive optical imaging of cathepsin B with activatable fluorogenic nanoprobes in various metastatic models. *Biomaterials*, 2014, 35: 2302-2311.

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