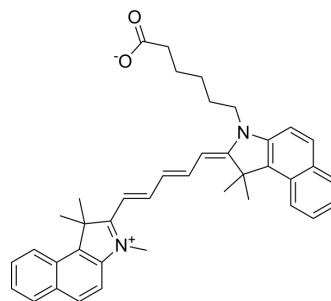


CY5.5-COOH

Cat. No.:	HY-D1040
CAS No.:	1449612-07-0
Molecular Formula:	C ₄₀ H ₄₂ N ₂ O ₂
Molecular Weight:	582.77
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (85.80 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	1.7159 mL	8.5797 mL	17.1594 mL
			5 mM	0.3432 mL	1.7159 mL	3.4319 mL
10 mM	0.1716 mL	0.8580 mL	1.7159 mL			
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.25 mg/mL (2.14 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	CY5.5-COOH (Cyanine 5.5 carboxylic acid) is a fluorescent dye, is commonly used in bioimaging. CY5.5-COOH shows narrow absorption spectrum, and high sensitivity and stability ^[1] .
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REFERENCES

[1]. Sijoon Lee, et al. Toxicity and Biodistribution of Fragmented Polypropylene Microplastics in ICR Mice. Int J Mol Sci. 2023 May 9;24(10):8463.

Caution: Product has not been fully validated for medical applications. For research use only.

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