SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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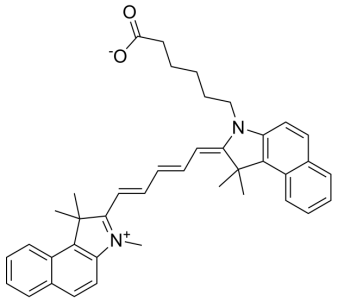
CY5.5-COOH

Cat. No.:	HY-D1040
CAS No.:	1449612-07-0
Molecular Formula:	$C_{40}H_{42}N_2O_2$
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 / Mass / Concentration	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].

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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