



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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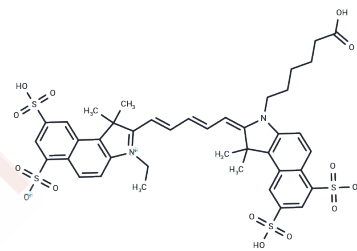
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Cy5.5

Chemical Properties

CAS No. :	210892-23-2
Formula:	C ₄₁ H ₄₄ N ₂ O ₁₄ S ₄
Molecular Weight:	917.06
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Cy5.5 (Sulfo-Cyanine5.5) is a near-infrared fluorescent dye for labeling biomolecules such as peptides, proteins and oligonucleotides (Ex=673 nm, Em=707 nm)
Targets(IC50)	Others
In vivo	A pH/temperature-sensitive magnetic nanogel conjugated with Cy5.5-labeled lactoferrin (Cy5.5-Lf-MPNA nanogel) was developed as a promising candidate for preoperative MRI and intraoperative fluorescence imaging of glioma The contrast agent [3].

Solubility Information

Solubility	DMSO: 85 mg/mL (92.69 mM), The compound is unstable in solution. Please use soon. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0904 mL	5.4522 mL	10.9044 mL
5 mM	0.2181 mL	1.0904 mL	2.1809 mL
10 mM	0.109 mL	0.5452 mL	1.0904 mL
50 mM	0.0218 mL	0.109 mL	0.2181 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.

Reference

Zhou Z, Li Y, Wu S, et al. Host-microbiota interactions in collagen-induced arthritis rats treated with human umbilical cord mesenchymal stem cell exosome and ginsenoside Rh2. *Biomedicine & Pharmacotherapy*. 2024, 174:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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