



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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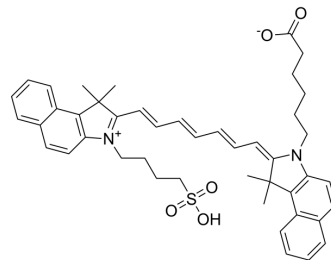
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ICG-carboxylic acid

Cat. No.:	HY-W088089
CAS No.:	181934-09-8
Molecular Formula:	C ₄₅ H ₅₀ N ₂ O ₅ S
Molecular Weight:	730.95
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°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 (68.40 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.3681 mL	6.8404 mL	13.6808 mL
				5 mM	0.2736 mL	1.3681 mL	2.7362 mL
				10 mM	0.1368 mL	0.6840 mL	1.3681 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: 2.5 mg/mL (3.42 mM); Suspended solution; Need ultrasonic						

BIOLOGICAL ACTIVITY

Description	ICG-carboxylic acid is near-infrared (NIR) fluorescent probe. ICG is a fluorescent dye used in medical diagnostics. ICG has absorption peaking at 800 nm and can absorb the near IR laser energy and release heat in the dyed tissue ^{[1][2]} .
In Vitro	Indocyanine green (ICG) is a water-soluble compound that is widely and safely used in medical diagnostics for its well-established fluorescence properties. It has been used in fluorescence-guided surgery to identify critical structures, including intra-abdominal tumors ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Taylor JS, et al. Combined application of Indocyanine green (ICG) and laser lead to targeted tumor cell destruction. J Pediatr Surg. 2018;53(12):2475-2479.

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

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