



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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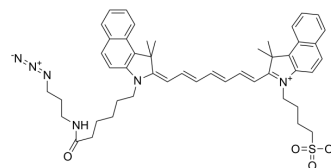
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ICG-azide

Cat. No.:	HY-W879007
Molecular Formula:	C ₄₈ H ₅₆ N ₆ O ₄ S
Molecular Weight:	813.06
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (30.75 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		1.2299 mL	6.1496 mL	12.2992 mL
	5 mM		0.2460 mL	1.2299 mL	2.4598 mL
	10 mM		0.1230 mL	0.6150 mL	1.2299 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

ICG-azide, a near infrared (NIR) fluorescent dye, is a copper (I)-catalyzed azide-alkyne cycloaddition (CuAAC) reagent. ICG-azide can be readily incorporated into dye-stabilized nanoemulsions and facilitate the attachment of targeting ligands via click-chemistry in a simple, scalable, and reproducible reaction^[1].

REFERENCES

- [1]. Amirshaghghi A, et, al. Site-Specific Labeling of Cyanine and Porphyrin Dye-Stabilized Nanoemulsions with Affibodies for Cellular Targeting. *J Am Chem Soc.* 2018 Oct 24;140(42):13550-13553.
- [2]. Singh S, et, al. Size-tunable ICG-based contrast agent platform for targeted near-infrared photoacoustic imaging. *Photoacoustics.* 2022 Dec 11:29:100437.

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

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