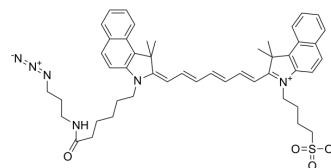


ICG-azide

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:	Please store the product under the recommended conditions in the Certificate of Analysis.



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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