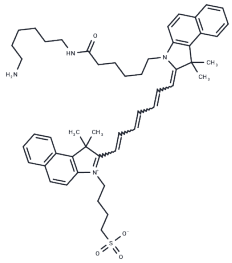
Data Sheet (Cat.No.T39153)

TargetMol

ICG-amine

Chemical Properties



CAS No. : 1686147-55-6

Formula: C51H64N4O4S

Molecular Weight: 829.16

Storage: Keep away from direct sunlight
Store at -20°C
Actual storage temperature shall be subject to the COA.

Biological Description

Description	ICG-amine is a tricarbocyanine near-infrared fluorescent probe that binds efficiently to amino acid residues without requiring condensing agents.
Targets(IC50)	Others
In vitro	Using ICG-amine (Indocyanine Green) as the backbone, an amino (-NH_2) functional group was introduced through chemical modification. The ICG core contains a conjugated double bond system and an indole ring, conferring near-infrared fluorescence properties, while the amino group provides reactivity for covalent conjugation with carboxyl groups, NHS esters, aldehydes, etc.

Solubility Information

Solubility	DMSO: 24 mg/mL (28.94 mM),Sonication is recommeded. H2O: 4 mg/mL (4.82 mM),Sonication is recommeded. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.206 mL	6.0302 mL	12.0604 mL
5 mM	0.2412 mL	1.206 mL	2.4121 mL
10 mM	0.1206 mL	0.603 mL	1.206 mL
50 mM	0.0241 mL	0.1206 mL	0.2412 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Badaracco AG, et al. Indocyanine green modified silica shells for colon tumor marking. Appl Surf Sci. 2020;499: 143885.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481