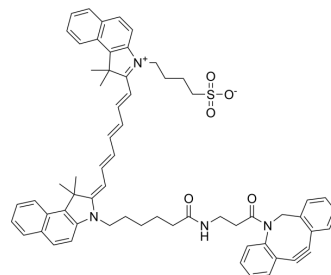


## ICG-DBCO

<b>Cat. No.:</b>	HY-W588722
<b>Molecular Formula:</b>	C <sub>63</sub> H <sub>64</sub> N <sub>4</sub> O <sub>5</sub> S
<b>Molecular Weight:</b>	989.27
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	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 (50.54 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.0108 mL	5.0542 mL	10.1085 mL
	5 mM	0.2022 mL	1.0108 mL	2.0217 mL
	10 mM	0.1011 mL	0.5054 mL	1.0108 mL

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

### BIOLOGICAL ACTIVITY

#### Description

ICG-DBCO is a near-infrared fluorescent dye that is widely used in cell dyes, biological dyes, biomolecules and particle fluorescent labeling. Ex/Em = 789/813 nm

### REFERENCES

[1]. Lu Lu, et al. Polymer chimera of stapled oncolytic peptide coupled with anti-PD-L1 peptide boosts immunotherapy of colorectal cancer. *Theranostics*. 2022; 12(7): 3456–3473.

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

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