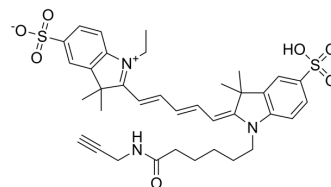


CY5-YNE

Cat. No.:	HY-D0820
CAS No.:	1345823-20-2
Molecular Formula:	C ₃₆ H ₄₃ N ₃ O ₇ S ₂
Molecular Weight:	693.87
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 : ≥ 43 mg/mL (61.97 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		1.4412 mL	7.2060 mL	14.4119 mL
	5 mM		0.2882 mL	1.4412 mL	2.8824 mL
	10 mM		0.1441 mL	0.7206 mL	1.4412 mL

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

BIOLOGICAL ACTIVITY

Description

CY5-YNE (Sulfo-Cyanine5-alkyne) is a reactive dye for the labeling of amino-groups in peptides, proteins, and oligonucleotides. CY5-YNE is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

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

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