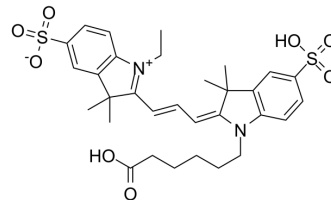


CY3

Cat. No.:	HY-D0822
CAS No.:	146368-13-0
Molecular Formula:	C ₃₁ H ₃₈ N ₂ O ₈ S ₂
Molecular Weight:	630.77
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 12.5 mg/mL (19.82 mM); ultrasonic and warming and heat to 60°C				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	1.5854 mL	7.9268 mL	15.8536 mL
		5 mM	0.3171 mL	1.5854 mL	3.1707 mL
	10 mM	0.1585 mL	0.7927 mL	1.5854 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 25 mg/mL (39.63 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	Cy3 (Sulfo-Cyanine3) is an orange-fluorescent label for protein and nucleic acid ($\lambda_{ex}=554$, $\lambda_{em}=568$).
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Caution: Product has not been fully validated for medical applications. For research use only.

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