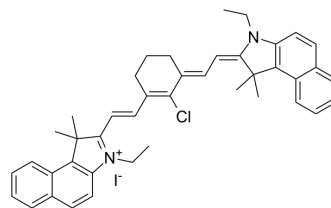


Heptamethine cyanine dye-1

Cat. No.:	HY-D0921
CAS No.:	162411-29-2
Molecular Formula:	C ₄₂ H ₄₄ ClIN ₂
Molecular Weight:	739.17
Target:	Others
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 : 50 mg/mL (67.64 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.3529 mL	6.7643 mL	13.5287 mL
				5 mM	0.2706 mL	1.3529 mL	2.7057 mL
				10 mM	0.1353 mL	0.6764 mL	1.3529 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.38 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Heptamethine cyanine dye-1 is a near-infrared cyanine dye for fluorescence imaging in biological systems.
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Caution: Product has not been fully validated for medical applications. For research use only.

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