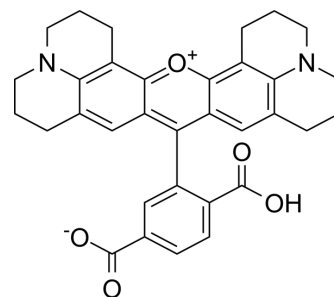


6-ROX

Cat. No.:	HY-D0053
CAS No.:	194785-18-7
Molecular Formula:	C ₃₃ H ₃₀ N ₂ O ₅
Molecular Weight:	534.6
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 : 25 mg/mL (46.76 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.8706 mL	9.3528 mL	18.7056 mL
				5 mM	0.3741 mL	1.8706 mL	3.7411 mL
				10 mM	0.1871 mL	0.9353 mL	1.8706 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: ≥ 1 mg/mL (1.87 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1 mg/mL (1.87 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	6-ROX, a fluorescent marker of oligonucleotides, acts as a receptor coupled to 5-FAM and as a donor in FRET imaging. Excitation wavelength: 568nm. Emission wavelength: 568nm.
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Caution: Product has not been fully validated for medical applications. For research use only.

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