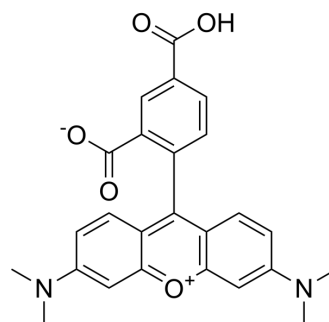


5-TAMRA

Cat. No.:	HY-15942
CAS No.:	91809-66-4
Molecular Formula:	C ₂₅ H ₂₂ N ₂ O ₅
Molecular Weight:	430.45
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 : ≥ 63 mg/mL (146.36 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.3232 mL	11.6158 mL	23.2315 mL
	5 mM	0.4646 mL	2.3232 mL	4.6463 mL
	10 mM	0.2323 mL	1.1616 mL	2.3232 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 2.5 mg/mL (5.81 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (5.81 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

5-TAMRA (5-Carboxytetramethylrhodamine), SE and its conjugates yield bright, pH-insensitive orange-red fluorescence (approximate excitation/emission maxima ~546/579) with good photostability.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA