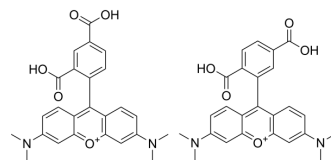


(5)6-Carboxytetramethylrhodamine

Cat. No.:	HY-D0934
CAS No.:	117557-83-2
Molecular Formula:	C ₂₅ H ₂₃ N ₂ O ₅ ⁺
Molecular Weight:	431.46
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

DMSO : 20 mg/mL (46.35 mM; Need ultrasonic)
Methanol : 5 mg/mL (11.59 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3177 mL	11.5886 mL	23.1771 mL
	5 mM	0.4635 mL	2.3177 mL	4.6354 mL
	10 mM	0.2318 mL	1.1589 mL	2.3177 mL

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

BIOLOGICAL ACTIVITY

Description

(5)6-Carboxytetramethylrhodamine contains a carboxylic acid that can be used to react with primary amines via carbodiimide activation of the carboxylic acid; bright, orange-fluorescent dye produces conjugates with absorption/emission maxima of ~555/580 nm^[1].

REFERENCES

[1]. P Kask, et al. Fluorescence-intensity distribution analysis and its application in biomolecular detection technology. Proc Natl Acad Sci U S A. 1999 Nov 23;96(24):13756-61.

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

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