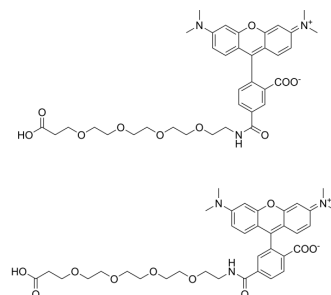


TAMRA-PEG4-acid

Cat. No.:	HY-140509		
CAS No.:	1909223-02-4		
Molecular Formula:	C ₃₆ H ₄₃ N ₃ O ₁₀		
Molecular Weight:	677.8		
Target:	Fluorescent Dye		
Pathway:	Others		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (147.54 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.4754 mL	7.3768 mL	14.7536 mL	
		5 mM	0.2951 mL	1.4754 mL	2.9507 mL	
10 mM		0.1475 mL	0.7377 mL	1.4754 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: 5 mg/mL (7.38 mM); Clear solution; Need ultrasonic 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 5 mg/mL (7.38 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	TAMRA-PEG4-acid is a dye derivative of TAMRA (HY-135640) containing 3 PEG units.
IC₅₀ & Target	PEGs
In Vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBiomedicine. 2018 Oct;36:553-562

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