DBCO-PEG4-TAMRA

MedChemExpress

®

HY-D1070
1895849-41-8
C ₅₄ H ₅₇ N ₅ O ₁₀
936.06
DNA Stain
Cell Cycle/DNA Damage
-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)

SOLVENT & SOLUBILITY

In Vitro DMSO : 50 mg	DMSO : 50 mg/mL (53.42 mM; Need ultrasonic)					
		Solvent Mass Concentration	1 mg	5 mg	10 mg	
	Preparing Stock Solutions	1 mM	1.0683 mL	5.3415 mL	10.6831 mL	
		5 mM	0.2137 mL	1.0683 mL	2.1366 mL	
		10 mM	0.1068 mL	0.5342 mL	1.0683 mL	
	Please refer to the so	lubility information to select the app	propriate solvent.			
In Vivo	1. Add each solvent o Solubility: ≥ 1.25 r	one by one: 10% DMSO >> 40% PEC ng/mL (1.34 mM); Clear solution	G300 >> 5% Tween-80) >> 45% saline		

Description DBCO-PEG4-TAMRA is a PEG-based TAMRA dye and contains a DBCO group, which enables Click Chemistry. The TAMRA dye is a dye widely used in oligonucleotide labeling and automated DNA sequencing applications. DBCO-PEG4-TAMRA is a click chemistry reagont, it contains a DBCO group that can undergo strain promoted always azide cycloaddition (SBAAC) with	
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molecules containing Azide groups.	ye ck
IC ₅₀ & Target TARMA Dye	
In Vitro Click chemistry refers to a group of reactions that are fast, simple to use, easy to purify, versatile, regiospecific, and give high product yields. Click chemistry reaction is suitable for cell marker and low concentration reaction with low toxicity. DBCO reacts with azide functionalized compounds or biomolecules without catalyst to form a stable triazole linkage, which is an ideal alternative to copper intolerant applications. MCE has not independently confirmed the accuracy of these methods. They are for reference only.	וigh ich

Product Data Sheet

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REFERENCES

[1]. Hein CD, et al. Click chemistry, a powerful tool for pharmaceutical sciences. Pharm Res. 2008 Oct;25(10):2216-30.

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

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