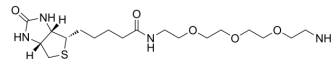


Amine-PEG3-Biotin

Cat. No.:	HY-111377
CAS No.:	359860-27-8
Molecular Formula:	C ₁₈ H ₃₄ N ₄ O ₅ S
Molecular Weight:	418.55
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 : 100 mg/mL (238.92 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	2.3892 mL	11.9460 mL	23.8920 mL
		5 mM	0.4778 mL	2.3892 mL	4.7784 mL
	10 mM	0.2389 mL	1.1946 mL	2.3892 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (119.46 mM); Clear solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.25 mg/mL (2.99 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (2.99 mM); Clear solution				
	4. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (2.99 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Amine-PEG3-Biotin is a signal amplification label containing a biotin group and a terminal primary amine group ^[1] .
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CUSTOMER VALIDATION

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- Eur J Med Chem. 2020 Dec 1;207:112796.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Yin H, et al. Electrochemical immunosensor for N6-methyladenosine detection in human cell lines based on biotin-streptavidin system and silver-SiO₂ signal amplification. Biosens Bioelectron. 2017 Apr 15;90:494-500.

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

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