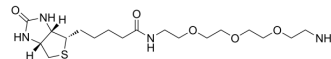


Amine-PEG3-Biotin

Cat. No.:	HY-111377
CAS No.:	359860-27-8
Molecular Formula:	C ₁₈ H ₃₄ N ₄ O ₅ S
Molecular Weight:	419
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 (238.66 mM; Need ultrasonic)
H₂O : 100 mg/mL (238.66 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.3866 mL	11.9332 mL	23.8663 mL
	5 mM	0.4773 mL	2.3866 mL	4.7733 mL
	10 mM	0.2387 mL	1.1933 mL	2.3866 mL

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

In Vivo

- Add each solvent one by one: PBS
Solubility: 50 mg/mL (119.33 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 1.25 mg/mL (2.98 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 1.25 mg/mL (2.98 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 1.25 mg/mL (2.98 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].

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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