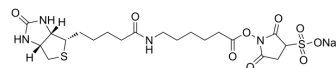


Sulfo-NHS-LC-Biotin sodium

Cat. No.:	HY-D0799
CAS No.:	191671-46-2
Molecular Formula:	C ₂₀ H ₂₉ N ₄ NaO ₉ S ₂
Molecular Weight:	556.59
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 83.33 mg/mL (149.72 mM; Need ultrasonic)
H₂O : 20 mg/mL (35.93 mM; ultrasonic and warming and adjust pH to 9 with NaOH)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.7967 mL	8.9833 mL	17.9665 mL
	5 mM	0.3593 mL	1.7967 mL	3.5933 mL
	10 mM	0.1797 mL	0.8983 mL	1.7967 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (3.74 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (3.74 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (3.74 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Sulfo-NHS-LC-Biotin sodium is an amine-reactive biotinylation reagent that can be used for antibody labeling^[1].

CUSTOMER VALIDATION

- Ecotoxicol Environ Saf. 2022 Aug 31;244:114046.

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- Mol Genet Genomics. 2024 May 24;299(1):57.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. K Hoya, et al. A Novel Intravascular Drug Delivery Method Using Endothelial Biotinylation and Avidin-Biotin Binding. Drug Deliv. Oct-Dec 2001;8(4):215-22.

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

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