

Sulfo-NHS-LC-Biotin sodium

Chemical Properties

CAS No. : 191671-46-2

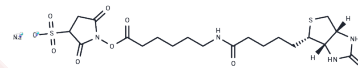
Formula: C₂₀H₂₉N₄NaO₉S₂

Molecular Weight: 556.59

Store at low temperature

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Sulfo-NHS-LC-Biotin sodium, an amine-reactive biotin ester derivative, is incapable of traversing the intact blood-retinal barrier. Sulfo-NHS-LC-Biotin sodium is utilized to evaluate vascular permeability in cerebral and retinal vasculature.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 75.6 mg/mL (135.83 mM),Sonication is recommended. H ₂ O: 100 mg/mL (179.67 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.59 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0359 mL	0.1797 mL	0.3593 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.

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