

Biotin-DADOO

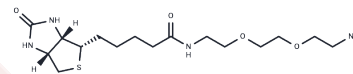
Chemical Properties

CAS No. : 138529-46-1

Formula: C₁₆H₃₀N₄O₄S

Molecular Weight: 374.5

Storage: Keep away from direct sunlight, Store at low temperature, Store under nitrogen
 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	Biotin-DADOO (Biotinyl-3,6-dioxaoctanediamine) is a biotinylation reagent that can be used to synthesize a biotin-estradiol conjugate (i.e., biotin-DADOO-estradiol) to develop a direct, broad-range enzyme immunoassay to measure plasma estradiol concentrations.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 100 mg/mL (267.02 mM), Sonication is recommended. DMSO: 135 mg/mL (360.48 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: 4 mg/mL (10.68 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	2.6702 mL	13.3511 mL	26.7023 mL
5 mM	0.534 mL	2.6702 mL	5.3405 mL
10 mM	0.267 mL	1.3351 mL	2.6702 mL
50 mM	0.0534 mL	0.267 mL	0.534 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

You L, et al. Scutellarin inhibits Hela cell growth and glycolysis by inhibiting the activity of pyruvate kinase M2. *Bioorg Med Chem Lett.* 2017 Dec 15;27(24):5404-5408.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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