

Duostatin 5

Chemical Properties

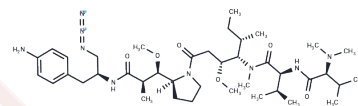
CAS No. : 2124210-34-8

Formula: C₄₀H₆₉N₉O₆

Molecular Weight: 772.03

Storage: Keep away from direct sunlight, 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	Duostatin 5 (Duo-5) is a sea hare toxin analog commonly used in the synthesis of ADC compounds.
Targets(IC50)	ADC Cytotoxin

Solubility Information

Solubility	DMSO: 100 mg/mL (129.53 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 (5.18 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	1.2953 mL	6.4764 mL	12.9529 mL
5 mM	0.2591 mL	1.2953 mL	2.5906 mL
10 mM	0.1295 mL	0.6476 mL	1.2953 mL
50 mM	0.0259 mL	0.1295 mL	0.2591 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

Toxin for antibody drug conjugate and preparation method thereof. CN107857798B.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481