

PDEC-NB

Chemical Properties

CAS No. : 874302-76-8

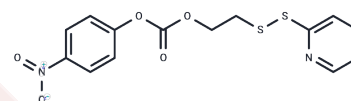
Formula: C₁₄H₁₂N₂O₅S₂

Molecular Weight: 352.39

Keep away from direct sunlight

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	PDEC-NB (4-Nitrophenyl 2-(Pyridin-2-Yldisulfanyl)Ethyl Carbonate) is a disulfide cleavable linker. PDEC-NB can be used for the antibody-drug conjugate (ADC).
Targets(IC50)	ADC Linker,PROTAC Linker

Solubility Information

Solubility	DMSO: 88 mg/mL (249.72 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (9.36 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	2.8378 mL	14.1888 mL	28.3776 mL
5 mM	0.5676 mL	2.8378 mL	5.6755 mL
10 mM	0.2838 mL	1.4189 mL	2.8378 mL
50 mM	0.0568 mL	0.2838 mL	0.5676 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

Chunguang Ren et al. A kind of reduction response type cancer target polypeptide drugs conjugate and its preparation method and application. CN110314237A

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