

## PC Mal-NHS carbonate ester

## Chemical Properties

CAS No. : 1408057-91-9

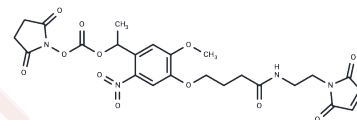
Formula: C<sub>24</sub>H<sub>26</sub>N<sub>4</sub>O<sub>12</sub>

Molecular Weight: 562.48

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	PC Mal-NHS carbonate ester is a cleavable linker specifically designed for the synthesis of antibody-drug conjugates (ADCs)[1]. This chemical compound facilitates drug-antibody conjugation, enabling targeted delivery and enhanced therapeutic efficacy. Its unique carbonate ester structure allows efficient cleavage in the targeted environment, ensuring controlled drug payload release, highlighting its significance in innovative and targeted cancer therapies.
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	ADCs consist of an antibody conjugated to an ADC cytotoxin via an ADC linker[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7778 mL	8.8892 mL	17.7784 mL
5 mM	0.3556 mL	1.7778 mL	3.5557 mL
10 mM	0.1778 mL	0.8889 mL	1.7778 mL
50 mM	0.0356 mL	0.1778 mL	0.3556 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

Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017 May;16(5):315-337.

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