

DBCO-Maleimide

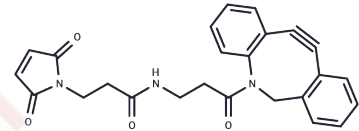
Chemical Properties

CAS No. : 1395786-30-7

Formula: C₂₅H₂₁N₃O₄

Molecular Weight: 427.45

Storage: Store at low temperature, Keep away from moisture,
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	DBCO-Maleimide (DBCO-MAL) is a non-cleavable ADC linker for the synthesis of ADC compounds.
Targets(IC ₅₀)	ADC Linker

Solubility Information

Solubility	DMSO: 140 mg/mL (327.52 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: 10 mg/mL (23.39 mM), Solution. 10% DMSO+90% Saline: < 10 mg/mL (23.39 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. <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	2.3395 mL	11.6973 mL	23.3945 mL
5 mM	0.4679 mL	2.3395 mL	4.6789 mL
10 mM	0.2339 mL	1.1697 mL	2.3395 mL
50 mM	0.0468 mL	0.2339 mL	0.4679 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

Shouta Kaemoto, et al. Modified antibody and radioactive metal-labelled antibody. WO2019203191A1.

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