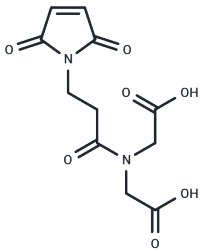
Data Sheet (Cat.No.T18232)

TargetMol

Mal-amido-(CH2COOH)2

Chemical Properties



CAS No. : 207613-14-7

Formula: C11H12N2O7

Molecular Weight: 284.22

Storage: Keep away from direct sunlight
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	Mal-amido-(CH2COOH)2, also known as compound 7a, is an intermediate compound that contains maleimidoethyl for use in hydrophilic ADC linker synthesis[1].
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	Mal-amido-(CH2COOH)2 serves as an intermediate linker in the synthesis process. Bivalent doxorubicin (DOX)-dipeptides (16a-c) are subsequently synthesized and attached to the monoclonal antibody BR96. Upon internalization of these immunoconjugates[1], lysosomal proteases cleave the dipeptides.
In vivo	ADC Linker

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5184 mL	17.592 mL	35.184 mL
5 mM	0.7037 mL	3.5184 mL	7.0368 mL
10 mM	0.3518 mL	1.7592 mL	3.5184 mL
50 mM	0.0704 mL	0.3518 mL	0.7037 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

Dubowchik GM, et al. Doxorubicin immunoconjugates containing bivalent, lysosomally-cleavable dipeptide linkages.Bioorg Med Chem Lett. 2002 Jun 3;12(11):1529-32.

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