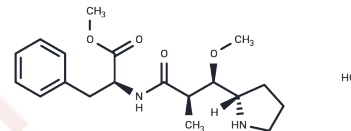


## MMAF intermediate 2

## Chemical Properties

CAS No. : 864238-20-0  
 Formula: C<sub>19</sub>H<sub>29</sub>ClN<sub>2</sub>O<sub>4</sub>  
 Molecular Weight: 384.9  
 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	MMAF intermediate 2 is a key synthetic intermediate used in the preparation of MMAF, a potent tubulin polymerization inhibitor that serves as the cytotoxic payload in clinically validated antibody-drug conjugates, MMAF intermediate 2 support the scalable synthesis and development of next-generation ADC cytotoxins.
Targets(IC50)	Microtubule Associated,ADC Cytotoxin
In vivo	In preclinical studies using nude mice bearing EphA2-overexpressing endometrial carcinoma xenografts, the ADC constructed with MMAF intermediate 2 was evaluated. Intravenous administration of the conjugate resulted in tumor growth inhibition and regression [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5981 mL	12.9904 mL	25.9808 mL
5 mM	0.5196 mL	2.5981 mL	5.1962 mL
10 mM	0.2598 mL	1.299 mL	2.5981 mL
50 mM	0.052 mL	0.2598 mL	0.5196 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

Lee JW, et al. EphA2 targeted chemotherapy using an antibody drug conjugate in endometrial carcinoma. Clin Cancer Res. 2010 May 1;16(9):2562-70. [Content Brief]

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