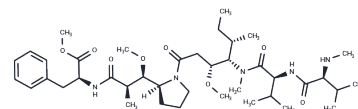


MMAF-OMe

Chemical Properties

CAS No. :	863971-12-4
Formula:	C40H67N5O8
Molecular Weight:	745.99
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	MMAF-OMe (Monomethyl auristatin F methyl ester) is an antitubulin agent which inhibits several tumor cell lines with IC50s of 0.056 nM, 0.166 nM, 0.183 nM, and 0.449 nM for MDAMB435/5T4, MDAMB361DYT2, MDAMB468, and Raji (5T4-) cell lines, respectively. MMAF-Ome is also an ADC cytotoxin.
In vitro	2.5F-Fc and 2.5F-Fc-MMAF have similar IC50 values (6.9±1.1 vs. 8.3±1.3 nM, respectively)[1]. MMAF conjugation has negligible impact on integrin-binding affinity[1].

Solubility Information

Solubility	5% DMSO+95% Saline: 4 mg/mL (5.36 mM) DMSO: 99 mg/mL (132.70 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3405 mL	6.7025 mL	13.405 mL
5 mM	0.2681 mL	1.3405 mL	2.681 mL
10 mM	0.1341 mL	0.6703 mL	1.3405 mL
50 mM	0.0268 mL	0.1341 mL	0.2681 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.

Reference

Currier NV, et al. Targeted Drug Delivery with an Integrin-Binding Knottin-Fc-MMAF Conjugate Produced by Cell-Free Protein Synthesis. Mol Cancer Ther. 2016 Jun;15(6):1291-300

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