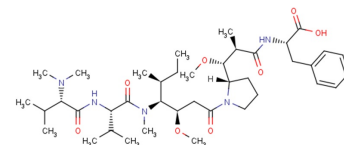


## Data Sheet (Cat.No.T14349)

### Auristatin F

#### Chemical Properties

CAS No.:	163768-50-1
Formula:	C40H67N5O8
Molecular Weight:	745.99
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



#### Biological Description

Description	Auristatin F is a potent cytotoxin. Auristatin F is a potent microtubule inhibitor and vascular damaging agent (VDA), can be used in antibody-drug conjugates (ADC).
Targets(IC <sub>50</sub> )	Microtubule: None
In vitro	Auristatin F and Monomethyl Auristatin F (MMAF) are potent ADC cytotoxin. Which is used in antibody-drug conjugates[1].

#### Solubility Information

Solubility	DMSO: 56 mg/mL (75.07 mM) ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.341 mL	6.703 mL	13.405 mL
5 mM	0.268 mL	1.341 mL	2.681 mL
10 mM	0.134 mL	0.67 mL	1.341 mL
50 mM	0.027 mL	0.134 mL	0.268 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

#### Reference

1. Roy S, et al. SMI-Ribosome inactivating protein conjugates selectively inhibit tumor cell growth. Chem Commun (Camb). 2017 Apr 11;53(30):4234-4237.

Inhibitors · Natural Compounds · Compound Libraries

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