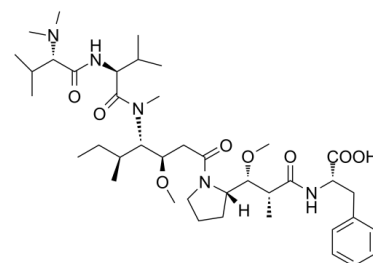


Data Sheet

Product Name:	Auristatin F
Cat. No.:	CS-3436
CAS No.:	163768-50-1
Molecular Formula:	C ₄₀ H ₆₇ N ₅ O ₈
Molecular Weight:	745.99
Target:	ADC Cytotoxin; Microtubule/Tubulin
Pathway:	Antibody-drug Conjugate/ADC Related; Cell Cycle/DNA Damage; Cytoskeleton
Solubility:	DMSO : ≥ 56 mg/mL (75.07 mM)



BIOLOGICAL ACTIVITY:

Auristatin F is a cytotoxic tubulin modifier with potent and selective antitumor activity; MMAF analog and cytotoxin in Antibody-drug conjugates. Auristatin F inhibits cell division by blocking the polymerisation of tubulin.

References:

- [1]. Temming K, et al. Improved efficacy of alphavbeta3-targeted albumin conjugates by conjugation of a novel auristatin derivative. Mol Pharm. 2007 Sep-Oct;4(5):686-94.
- [2]. Doronina SO, et al. Enhanced activity of monomethylauristatin F through monoclonal antibody delivery: effects of linker technology on efficacy and toxicity. Bioconjug Chem. 2006 Jan-Feb;17(1):114-24.

CAIndexNames:

L-Phenylalanine, N,N-dimethyl-L-valyl-L-valyl-(3R,4S,5S)-3-methoxy-5-methyl-4-(methylamino)heptanoyl-(αR,βR,2S)-β-methoxy-α-methyl-2-pyrrolidinepropanoyl-

SMILES:

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CC(C)[C@H](N(C)C)C(N[C@H](C(N([C@@H]([C@@H](C)CC)[C@H](CC(N1CCC[C@@]1([H]))[C@H](OC)[C@@H](C)C(N[C@H](C(O)=O)CC2=CC=CC=C2)=O)=O)OC)C)=O)C(C)C=O
```

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA