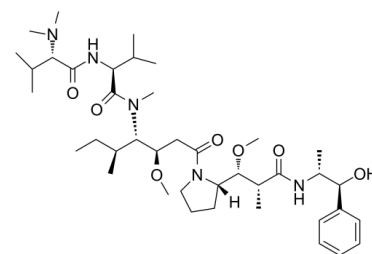


Data Sheet

Product Name:	Auristatin E
Cat. No.:	CS-3435
CAS No.:	160800-57-7
Molecular Formula:	C ₄₀ H ₆₉ N ₅ O ₇
Molecular Weight:	732.01
Target:	ADC Cytotoxin; Microtubule/Tubulin
Pathway:	Antibody-drug Conjugate/ADC Related; Cell Cycle/DNA Damage; Cytoskeleton
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

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

References:

- [1]. Francisco JA, et al. cAC10-vcMMAE, an anti-CD30-monomethyl auristatin E conjugate with potent and selective antitumor activity. *Blood*. 2003 Aug 15;102(4):1458-65.
- [2]. Li D, et al. DCDT2980S, an anti-CD22-monomethyl auristatin E antibody-drug conjugate, is a potential treatment for non-Hodgkin lymphoma. *Mol Cancer Ther*. 2013 Jul;12(7):1255-65.

CAIndexNames:

L-Valinamide, N,N-dimethyl-L-valyl-N-[(1S,2R)-4-[(2S)-2-[(1R,2R)-3-[(1R,2S)-2-hydroxy-1-methyl-2-phenylethyl]amino]-1-methoxy-2-methyl-3-oxopropyl]-1-pyrrolidinyl]-2-methoxy-1-[(1S)-1-methylpropyl]-4-oxobutyl]-N-methyl-

SMILES:

CC(C)[C@H](N(C)C)C(N[C@H](C(N([C@@H]([C@@H](C)CC)[C@H](CCN1CCC[C@@]1([H])[C@H](OC)[C@@H](C)C(N[C@H](C)[C@H](C2=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.

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