

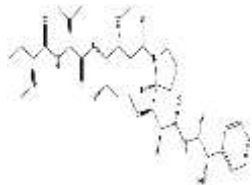
MMAE

ALTERNATE NAME: N-Methyl-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-L-valinamide
 Monomethyl auristatin E

CATALOG #: B2344-25
 B2344-5

AMOUNT: 25 mg
 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₃₉ H₆₇ N₅ O₇

MOLECULAR WEIGHT: 717.98

CAS NUMBER: 474645-27-7

APPEARANCE: Off-white solid

PURITY: ≥98% by HPLC

SOLUBILITY: >50 mg/ml (DMSO)

REFERENCES: Maderna, A., et al. (2014). J. Med. Chem. 57, 10527-10543.

DESCRIPTION: MMAE (Monomethyl auristatin E) is a synthetic derivative of dolastatin 10 that functions as a potent mitotic inhibitor by inhibiting tubulin polymerization. Suppresses tumor cell viability in vitro (GIC50 values are 0.22, 0.49 and 0.54 nM in BT474, MDA-MB-361-DYT2 and N87 cells, respectively). It is commonly conjugated with monoclonal antibodies directed at antigens specific to cancer cells for tumor-directed cytotoxicity.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Vincristine sulfate (B2048)
 Epothilone D (9559)
 Epothilone B (2012)
 Docetaxel (2232)
 XL-647 (B2204)
 Cytochalasin D (B1176)
 Vinblastine sulfate (1959)
 Paclitaxel (1567)
 Colchicine (1519)
 Nocodazole (2185)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*