



Product Information

Microtubule/Tubulin inhibitor, Mc-MMAD, Purity ≥98%

Cat. No.: X24-08-YM239

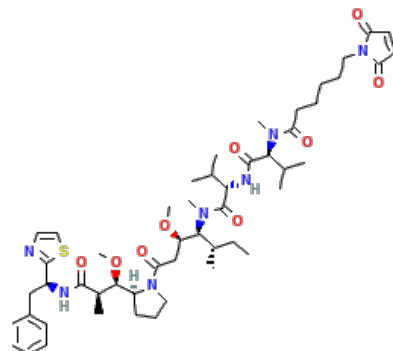
Size: 5 mg; 10 mg; 25 mg; 100 mg

CAS Number: 1401963-15-2

Compound CID: 78357802

Synonym: 1401963-15-2; Mc MMAD; McMMAD;

6-(2,5-Dioxopyrrol-1-yl)-N-[(2S)-1-[[[(2S)-1-[(3R,4S,5S)-3-methoxy-1-[(2S)-2-[(1R,2R)-1-methoxy-2-methyl-3-oxo-3-[(1S)-2-phenyl-1-(1,3-thiazol-2-yl)ethyl]amino]propyl]pyrrolidin-1-yl]-5-methyl-1-oxoheptan-4-yl]-methylamino]-3-methyl-1-oxobutan-2-yl]amino]-3-methyl-1-oxobutan-2-yl]-N-methylhexanamide



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Mc-MMAD is an effective cytoskeleton inhibitor, that has the ability to prevent the pathway of cytoskeletal signaling by inhibiting microtubule/tubulin.
Molecular Weight	964.26
Molecular Formula	C ₅₁ H ₇₇ N ₇ O ₉ S
IUPAC Name	6-(2,5-Dioxopyrrol-1-yl)-N-[(2S)-1-[[[(2S)-1-[(3R,4S,5S)-3-methoxy-1-[(2S)-2-[(1R,2R)-1-methoxy-2-methyl-3-oxo-3-[(1S)-2-phenyl-1-(1,3-thiazol-2-yl)ethyl]amino]propyl]pyrrolidin-1-yl]-5-methyl-1-oxoheptan-4-yl]-methylamino]-3-methyl-1-oxobutan-2-yl]amino]-3-methyl-1-oxobutan-2-yl]-N-methylhexanamide
InChI	InChI=1S/C51H77N7O9S/c1-12-34(6)46(56(9)51(65)44(32(2)3)54-49(64)45(33(4)5)55(8)40(59)23-17-14-18-27-58-41(60)24-25-42(58)61)39(66-10)31-43(62)57-28-19-22-38(57)47(67-11)35(7)48(63)53-37(50-52-26-29-68-50)30-36-20-15-13-16-21-36/h13,15-16,20-21,24-26,29,32-35,37-39,44-47H,12,14,17-19,22-23,27-28,30-31H2,1-11H3,(H,53,63)(H,54,64)/t34-,35+,37-,38-,39+,44-,45-,46-,47+/m0/s1
InChI Key	OZUQLKHIIRUJRZ-PGBUMTRMSA-N
Canonical SMILES	CCC(C)C(C(CC(=O)N1CCCC1C(C(C)C(=O)NC(CC2=CC=CC=C2)C3=NC=CS3)OC)OC)N(C)C(=O)C(C(C)C)NC(=O)C(C(C)C)N(C)C(=O)CCCCCN4C(=O)C=CC4=O
Isomeric SMILES	CC[C@H](C)[C@@H]([C@@H](CC(=O)N1CCC[C@H]1[C@@H]([C@@H](C)C(=O)N[C@@H](CC



O=C1C=CC(=O)N(C)C(=O)[C@H](C(C)C)NC(=O)[C@H](C(C)C)N(C)C(=O)CC(C)CN4C(=O)C=CC4=O

Form	Lyophilized powder
Purity	≥98%
Titer	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Mc-MMAD is a cytoskeletal signaling inhibitor that can be used for its ability to inhibit tubulin polymerization and disrupt cellular microtubule networks.
Storage	Store at -20°C, and keep desiccated.