



Product Information

Microtubule/Tubulin inhibitor, PF-06380101, Purity ≥98%

Cat. No.: X24-08-YM264

Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 1436391-86-4

Compound CID: 71569947

Synonym: 1436391-86-4; Aur0101; Aur-0101; Aur 0101; Auristatin-0101;

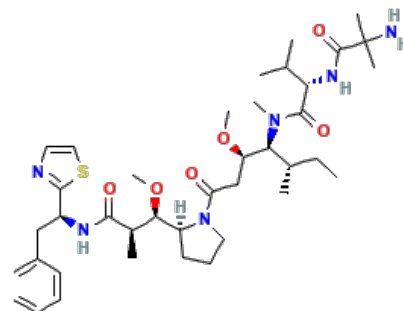
Auristatin0101; Auristatin 0101; PF 06380101; PF06380101;

(2S)-2-[(2-Amino-2-methylpropanoyl)amino]-N-[(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]-N,3-dimethylbutanamide



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

Product Information

Description	PF-06380101 is an effective cytoskeleton inhibitor, that has the ability to prevent the pathway of cytoskeletal signaling by inhibiting microtubule/tubulin.
Molecular Weight	743.01
Molecular Formula	C ₃₉ H ₆₂ N ₆ O ₆ S
IUPAC Name	(2S)-2-[(2-Amino-2-methylpropanoyl)amino]-N-[(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]-N,3-dimethylbutanamide
InChI	InChI=1S/C39H62N6O6S/c1-11-25(4)33(44(8)37(48)32(24(2)3)43-38(49)39(6,7)40)30(50-9)23-31(46)45-20-15-18-29(45)34(51-10)26(5)35(47)42-28(36-41-19-21-52-36)22-27-16-13-12-14-17-27/h12-14,16-17,19,21,24-26,28-30,32-34H,11,15,18,20,22-23,40H2,1-10H3,(H,42,47)(H,43,49)/t25-,26+,28-,29-,30+,32-,33-,34+/m0/s1
InChI Key	QAAFNSMAIAVCHE-BZLYQNAUSA-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)N
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](CC2=CC=CC=C2)C3=NC=CS3)OC)OC)N(C)C(=O)[C@H](C(C)C)NC(=O)C(C)(C)N



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	PF-06380101 is a cytoskeletal signaling inhibitor that plays a key role in disrupting mitotic checkpoint control in cancer cells.
Storage	Store at -20°C, and keep desiccated.
