



Product Information

Microtubule/Tubulin inhibitor, VCP-Eribulin, Purity $\geq 98\%$

Cat. No.: X24-08-YM249

Size: 1 mg; 2 mg; 5 mg; 10 mg

CAS Number: 2130869-17-7

Compound CID: 138911393

Synonym: 2130869-17-7; HY-128871; CS-0101613;

[4-[[[(2S)-2-[[[(2S

)-2-Amino-3-methylbutanoyl]amino]-5-(carbamoylamino)pentanoyl]amino]phenyl]meth

yl N-[(2S)-2-hydroxy-3-[(1S,3S,6S,9S,12S,14R,16R,18S,20R,21R,22S,26R,29S,31R

,32S,33R,35R,36S

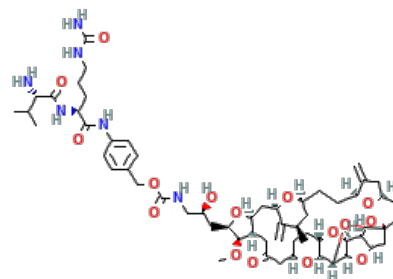
)-21-methoxy-14-methyl-8,15-dimethyl

idene-24-oxo

-2,19,30,34,37,39,40,41-octaoxanonacyclo[24.9.2.13,32.13,33.16,9.112,16.018,22.02

9,36.031,35]hentetracontan-20-yl]propyl]carbamate

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



Product Information

Description	VCP-Eribulin is an effective cytoskeleton inhibitor, that has the ability to prevent the pathway of cytoskeletal signaling by inhibiting microtubule/tubulin.
Molecular Weight	1135.34
Molecular Formula	C ₅₉ H ₈₆ N ₆ O ₁₆
IUPAC Name	[4-[[[(2S)-2-[[[(2S)-2-Amino-3-methylbutanoyl]amino]-5-(carbamoylamino)pentanoyl]amino]phenyl]methyl N-[(2S)-2-hydroxy-3-[(1S,3S,6S,9S,12S,14R,16R,18S,20R,21R,22S,26R,29S,31R,32S,33R,35R,36S)-21-methoxy-14-methyl-8,15-dimethylidene-24-oxo-2,19,30,34,37,39,40,41-octaoxanonacyclo[24.9.2.13,32.13,33.16,9.112,16.018,22.029,36.031,35]hentetracontan-20-yl]propyl]carbamate
InChI	InChI=1S/C59H86N6O16/c1-29(2)48(60)56(69)65-41(8-7-19-62-57(61)70)55(68)64-34-11-9-33(10-12-34)28-73-58(71)63-27-36(67)24-46-49(72-6)40-23-35(66)22-38-14-16-43-50(76-38)54-53-52(78-43)51-47(79-53)26-59(80-51,81-54)18-17-39-21-31(4)42(74-39)15-13-37-20-30(3)32(5)44(75-37)25-45(40)77-46/h9-12,29-30,36-54,67H,4-5,7-8,13-28,60H2,1-3,6H3,(H,63,71)(H,64,68)(H,65,69)(H3,61,62,70)/t30-,36+,37+,38-,39+,40+,41+,42+,43+,44-,45+,46-,47-,48+,49-,50+,51+,52+,53-,54+,59+/m1/s1



InChI Key	XCLFUZYIXJRPRL-BGSXXLFGSA-N
Canonical SMILES	<chem>CC1CC2CCC3C(=C)CC(O3)CCC45CC6C(O4)C7C(O6)C(O5)C8C(O7)CCC(O8)CC(=O)CC9C(CC(C1=C)O2)OC(C9OC)CC(CNC(=O)OCC1=CC=C(C=C1)NC(=O)C(CCCNC(=O)N)NC(=O)C(C(C)C)N)O</chem>
Isomeric SMILES	<chem>C[C@@H]1C[C@@H]2CC[C@H]3C(=C)C[C@@H](O3)CC[C@]45C[C@@H]6[C@H](O4)[C@H]7[C@@H](O6)[C@@H](O5)[C@@H]8[C@@H](O7)CC[C@@H](O8)CC(=O)C[C@H]9[C@H](C[C@H](C1=C)O2)O[C@@H]([C@@H]9OC)C[C@@H](CNC(=O)OCC1=CC=C(C=C1)NC(=O)[C@H](CCCNC(=O)N)NC(=O)[C@H](C(C)C)N)O</chem>
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	VCP-Eribulin is a cytoskeletal signaling inhibitor that can be used for its ability to enhance targeted delivery to cancer cells.
Storage	Store at -20°C, and keep desiccated.