



Product Information

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

Cat. No.: X24-08-YM262

Size: 1 mg; 5 mg; 10 mg; 50 mg

CAS Number: 253128-41-5

Compound CID: 11354606

Synonym: 253128-41-5; B1939; E7389; ER-086526;

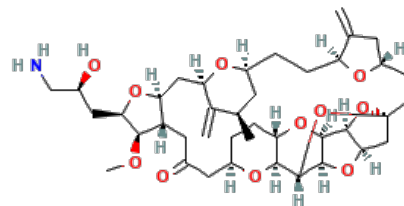
(1S,3S,6S,9S,12S,14R,16R,18S,20R,21R,22S,26R,29S,31R,32S,33R,35R,36S

)-20-[(2S

)-3-Amino-2-hydroxypropyl]-21-methoxy-14-methyl-8,15-dimethylidene-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]he

ntetracontan-24-one



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

Product Information

Description	Eribulin is an effective cytoskeleton inhibitor, that has the ability to prevent the pathway of cytoskeletal signaling by inhibiting microtubule/tubulin.
Molecular Weight	729.9
Molecular Formula	C ₄₀ H ₅₉ NO ₁₁
IUPAC Name	(1S,3S,6S,9S,12S,14R,16R,18S,20R,21R,22S,26R,29S,31R,32S,33R,35R,36S)-20-[(2S)-3-Amino-2-hydroxypropyl]-21-methoxy-14-methyl-8,15-dimethylidene-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-24-one
InChI	InChI=1S/C40H59NO11/c1-19-11-24-5-7-28-20(2)12-26(45-28)9-10-40-17-33-36(51-40)37-38(50-33)39(52-40)35-29(49-37)8-6-25(47-35)13-22(42)14-27-31(16-30(46-24)21(19)3)48-32(34(27)44-4)15-23(43)18-41/h19,23-39,43H,2-3,5-18,41H2,1,4H3/t19-,23+,24+,25-,26+,27+,28+,29+,30-,31+,32-,33-,34-,35+,36+,37+,38-,39+,40+/m1/s1
InChI Key	UFNVPOGXISZXJD-JBQZKEIOSA-N
Canonical SMILES	CC1CC2CCC3C(=C)CC(O3)CCC45CC6C(O4)C7C(O6)C(O5)C8C(O7)CCC(O8)CC(=O)CC9C(CC(C1=C)O2)OC(C9OC)CC(CN)O
Isomeric SMILES	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](CN)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	Eribulin is a cytoskeletal signaling inhibitor that can be used for its ability to disrupt microtubule dynamics and inhibit cancer cell proliferation.
Storage	Store at -20°C, and keep desiccated.
