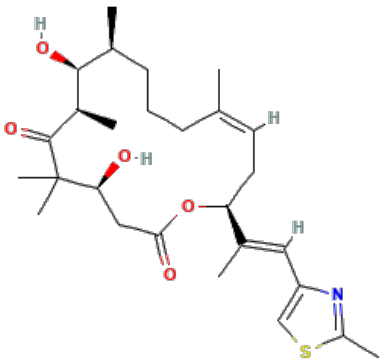
CD BioGlyco
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Microtubule/Tubulin inhibitor, Epothilone D, Purity ≥98%



Cat. No.: X24-08-YM220

Size: 1 mg; 2 mg; 5 mg; 50 mg

MDL: MFCD27976357

CAS Number: 189453-10-9

Compound CID: 447865

Synonym: 189453-10-9; Desoxyepothilone B; KOS 862; (-)-Desoxyepothilone B; (4*S*,7*R*,8*S*,9*S*,13*Z*,16*S*)-4,8-Dihydroxy-5,5,7,9,13-pentamethyl-16-[(*E*)-1-(2-methyl-1,3-thiazol-4-yl)prop-1-en-2-yl]-1-oxacyclohexadec-13-ene-2,6-dione

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

Product Information

Description	Epothilone D is an effective cytoskeleton inhibitor, that has the ability to prevent the pathway of cytoskeletal signaling by inhibiting microtubule/tubulin.
Molecular Weight	491.68
Molecular Formula	$C_{27}H_{41}NO_5S$
IUPAC Name	(4*S*,7*R*,8*S*,9*S*,13*Z*,16*S*)-4,8-Dihydroxy-5,5,7,9,13-pentamethyl-16-[(*E*)-1-(2-methyl-1,3-thiazol-4-yl)prop-1-en-2-yl]-1-oxacyclohexadec-13-ene-2,6-dione
InChI	InChI=1S/C27H41NO5S/c1-16-9-8-10-17(2)25(31)19(4)26(32)27(6,7)23(29)14-24(30)33-22(12-11-16)18(3)13-21-15-34-20(5)28-21/h11,13,15,17,19,22-23,25,29,31H,8-10,12,14H2,1-7H3/b16-11-,18-13+/t17-,19+,22-,23-,25-/m0/s1
InChI Key	XOZIUKBZLSUILX-GIQCAXHBSA-N
Canonical SMILES	CC1CCCC(=CCC(OC(=O)CC(C(C(=O)C(C1O)C)(C)C)O)C(=CC2=CSC(=N2)C)C)C
Isomeric SMILES	C[C@H]1CCC/C(=C\C[C@H](OC(=O)C[C@@H](C(C(=O)[C@@H]([C@H]1O)C)(C)C)O)/C(=C/C2=CSC(=N2)C)/C)/C
Form	Lyophilized powder
Purity	≥98%
Titer	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects

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Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Epothilone D is a cytoskeletal signaling inhibitor that can be used for its ability to inhibit microtubule dynamics and induce cell cycle arrest and apoptosis in cancer cells.
Storage	Store at -20ºC, and keep desiccated.

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