



Product Information

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

Cat. No.: X24-08-YM233

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

CAS Number: 305841-29-6

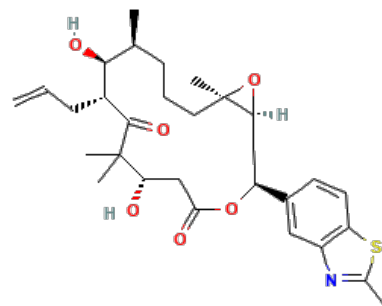
Compound CID: 11284169

Synonym: 305841-29-6; DE 03757; ZK 219477; ZK-EPO; Sagopilone;

(1S,3S,7S,10R,11S,12S,16R

)-7,11-Dihydroxy-8,8,12,16-tetramethyl-3-(2-methyl-1,3-benzothiazol-5-yl)-10-prop-2-enyl-4,17-dioxabicyclo[14.1.0]heptadecane-5,9-dione

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



Product Information

Description	Sagopilone is an effective cytoskeleton inhibitor, that has the ability to prevent the pathway of cytoskeletal signaling by inhibiting microtubule/tubulin.
Molecular Weight	543.71
Molecular Formula	C ₃₀ H ₄₁ NO ₆ S
IUPAC Name	(1S,3S,7S,10R,11S,12S,16R)-7,11-Dihydroxy-8,8,12,16-tetramethyl-3-(2-methyl-1,3-benzothiazol-5-yl)-10-prop-2-enyl-4,17-dioxabicyclo[14.1.0]heptadecane-5,9-dione
InChI	InChI=1S/C30H41NO6S/c1-7-9-20-27(34)17(2)10-8-13-30(6)25(37-30)15-22(19-11-12-23-21(14-19)31-18(3)38-23)36-26(33)16-24(32)29(4,5)28(20)35/h7,11-12,14,17,20,22,24-25,27,32,34H,1,8-10,13,15-16H2,2-6H3/t17-,20+,22-,24-,25-,27-,30+/m0/s1
InChI Key	BFZKMNSQCNVFGM-UCEYFQQTSA-N
Canonical SMILES	CC1CCCC2(C(O2)CC(OC(=O)CC(C(C(=O)C(C1O)CC=C)(C)C)O)C3=CC4=C(C(=C3)SC(=N4)C)C
Isomeric SMILES	C[C@H]1CCC[C@@]2([C@@H](O2)C[C@H](OC(=O)C[C@@H](C(C(=O)[C@@H]([C@H]1O)CC=C)(C)C)O)C3=CC4=C(C(=C3)SC(=N4)C)C
Form	Lyophilized powder
Purity	$\geq 98\%$
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

Sagopilone is a cytoskeletal signaling inhibitor that can be used for its ability to inhibit bone metastasis through multiple mechanisms.

Storage

Store at -20°C, and keep desiccated.
