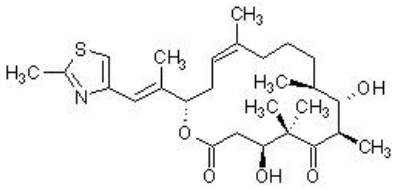
abcam

Product datasheet

Epothilone D, Microtubule-stabilizing agent ab143616

8 References 1 Image

Overview

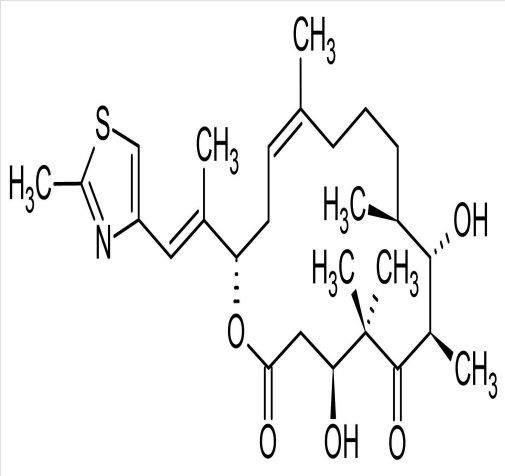
Product name	Epothilone D, Microtubule-stabilizing agent
Description	Microtubule-stabilizing agent
Biological description	Microtubule-stabilizing agent. Epothilone A (**ab143615**) and B (**ab141271**) analog. Improves microtubule density and axonal integrity Shows antineoplastic and neuroprotective effects *in vivo.* Blood-brain barrier permeable.
Purity	> 98%
CAS Number	189453-10-9
Chemical structure	

Properties

Chemical 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
Molecular weight	491.68
Molecular formula	$C_{27}H_{41}NO_5S$
PubChem identifier	447865
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in ethanol to 100 mM and in DMSO to 100 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our **frequently asked questions (FAQ) page** for more details.

SMILES	CC1CCCC(=CCC(OC(=O)CC(C(C(=O)C(C1O)C)(C)C)O)C(=CC2=CSC(=N2)C)C)C
Source	Synthetic

Images



Chemical Structure - Epothilone D, Microtubule-stabilizing agent (ab143616)

2D chemical structure image of ab143616, Epothilone D, Microtubule-stabilizing agent

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