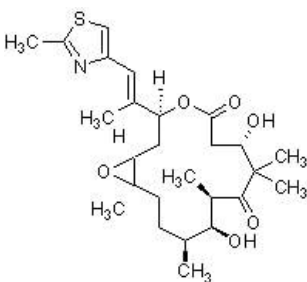


Product datasheet

Epothilone B, Microtubule stabilizing agent ab141271

[1 References](#) [1 Image](#)

Overview

Product name	Epothilone B, Microtubule stabilizing agent
Description	Microtubule stabilizing agent
Biological description	Microtubule-stabilizing agent. Analog of Epothilone A and D (ab143615 and ab143616). Displays highest efficacy in class III β -tubulin overexpressing malignancies. Inhibits Paclitaxel (ab120143)-resistant cell lines. Shows antitumor effects <i>in vivo</i> . Orally active.
Purity	> 98%
CAS Number	152044-54-7
Chemical structure	

Properties

Chemical name	(1S,3S,7S,10R,11S,12S,16R)-7,11-Dihydroxy-8,8,10,12,16-pentamethyl-3-[(E)-1-(2-methyl-1,3-thiazol-4-yl)prop-1-en-2-yl]-4,17-dioxabicyclo[14.1.0]heptadecane-5,9-dione
Molecular weight	507.68
Molecular formula	C ₂₇ H ₄₁ NO ₆ S
PubChem identifier	448013
Storage instructions	Store at -20°C. It is important to note that this product is reported to be light sensitive. Store in the Dark. Store under desiccating conditions.
Solubility overview	Soluble in DMSO to 10 mM
Handling	<p>This product is supplied in one (or more) pack size which is freeze dried. Therefore the contents may not be readily visible, as they can coat the bottom or walls of the vial. Please see our FAQs and information page for more details on handling.</p> <p>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</p>

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.

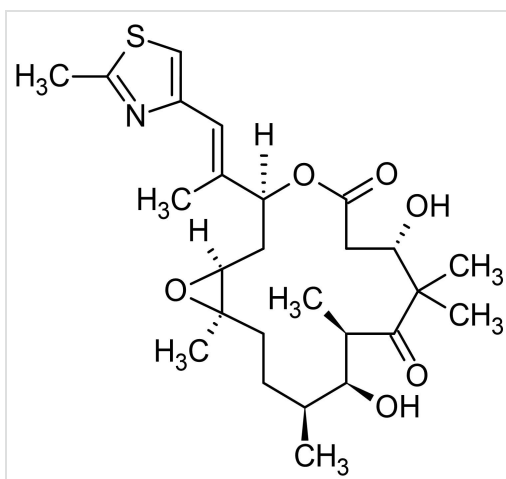
SMILES

Cc3nc(/C=C(\C)[C@@H]1C[C@@H]2O[C@]2(C)CCC[C@H](C)[C@H](O)[C@@H](C)C(=O)C(C)(C)[C@@H](O)CC(=O)O1)cs3

Source

Synthetic

Images



2D chemical structure image of ab141271, Epothilone B,
Microtubule stabilizing agent

Chemical Structure - Epothilone B, Microtubule
stabilizing agent (ab141271)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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