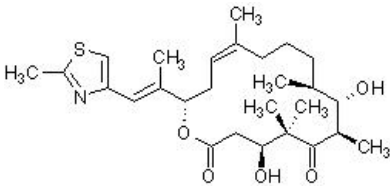


Product datasheet

Epothilone D, Microtubule-stabilizing agent ab143616

3 References 1 Image

Overview

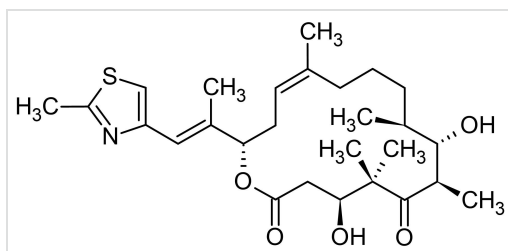
|                               |  |
|-------------------------------|--|
| <b>Product name</b>           | Epothilone D, Microtubule-stabilizing agent  |
| <b>Description</b>            | Microtubule-stabilizing agent  |
| <b>Biological description</b> | Microtubule-stabilizing agent. Epothilone A (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

Properties

|                             |  |
|-----------------------------|--|
| <b>Chemical name</b>        | (4S,7R,8S,9S,13Z,16S)-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   |
| <b>Molecular weight</b>     | 491.68   |
| <b>Molecular formula</b>    | C <sub>27</sub> H <sub>41</sub> NO <sub>5</sub> S  |
| <b>PubChem identifier</b>   | 447865   |
| <b>Storage instructions</b> | Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.   |
| <b>Solubility overview</b>  | Soluble in ethanol to 100 mM and in DMSO to 100 mM   |
| <b>Handling</b>             | 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.<br><br>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> 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**

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

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

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