

Product datasheet

beta-Elemene, Anticancer agent ab145171

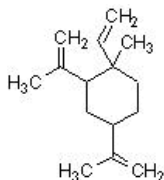
1 Image

Overview

Product name	beta-Elemene, Anticancer agent
Description	Anticancer agent
Biological description	Anticancer agent. Induces G ₂ M cell cycle arrest and apoptosis. Induces caspase-3, -7 and -9 activities. Decreases Bcl-2 expression. Induces mitochondrial release of cytochrome c. Inhibits microtubule polymerization. Downregulates uPA, uPAR, MMP-2, and MMP-9 expression. Shows antiproliferative effects. Shows antitumor effects <i>in vivo</i> .
General notes	β-Elemene exists as a liquid in its pure form at room temperature. There is no concentration because product itself is pure β-Elemene. Its appearance is clear and colorless liquid.

CAS Number 515-13-9

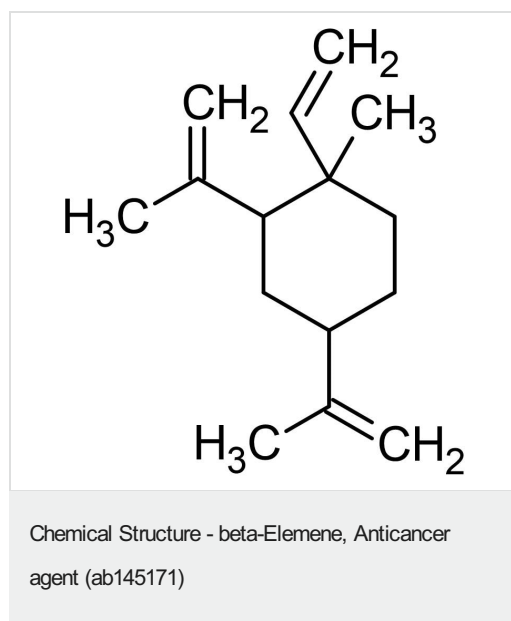
Chemical structure



Properties

Chemical name	1-Ethenyl-1-methyl-2,4-bis(prop-1-en-2-yl)cyclohexane
Molecular weight	204.35
Molecular formula	C ₁₅ H ₂₄
PubChem identifier	10583
Storage instructions	Store at +4°C. The product can be stored for up to 12 months.
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	<chem>CC(=C)C1CCC(C(C1)C(=C)C)(C)C=C</chem>

Images



2D chemical structure image of ab145171, beta-Elemene, Anticancer agent

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