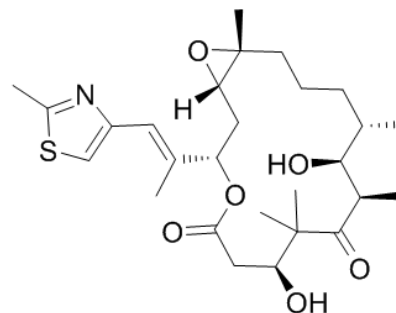


Product Name : Epothilone B
Cat. No. : PC-45151
CAS No. : 152044-54-7
Molecular Formula : C₂₇H₄₁NO₆S
Molecular Weight : 507.6825
Target : Microtubule/Tubulin
Solubility : 10 mM in DMSO



Biological Activity

Epothilone B (EPO-906, Patupilone) blood-brain barrier-permeable **microtubule**-stabilizing agent that promotes tubulin polymerization and induces G2-M cell cycle arrest with EC₅₀ of 32 nM in HeLa cells.

Epothilone B exhibits potent cytotoxicity in MCF-7 and A549 cells (EC₅₀=0.3 and 2.7 nM respectively), and inhibits growth of HCT-15 tumors in mice in vivo.

Epothilone B decreases scarring after rodent spinal cord injury by abrogating polarization and directed migration of scar-forming fibroblasts.

References

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Ruschel J, et al. *Science*. 2015 Apr 17;348(6232):347-52.

O'Reilly T, et al. *Cancer Chemother Pharmacol*. 2008 Nov;62(6):1045-54.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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