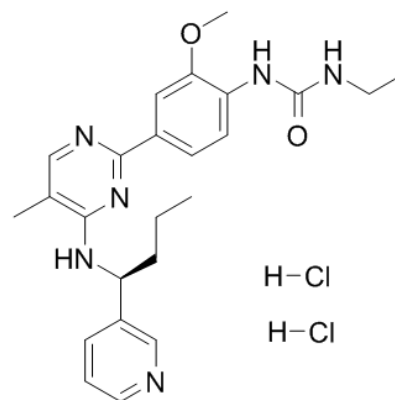


Product Name : Lexibulin dihydrochloride
Cat. No. : PC-42620
CAS No. : 917111-49-0
Molecular Formula : C₂₄H₃₂Cl₂N₆O₂
Molecular Weight : 507.4559
Target : Microtubule/Tubulin
Solubility : 10 mM in DMSO



Biological Activity

An orally active **tubulin** polymerization inhibitor with potent cytotoxic and vascular disrupting activity in vitro and in vivo; inhibits a broad selection of cancer cell lines with IC₅₀ of <100 nM; blocks the cell cycle at the G₂-M boundary and increases phosphorylated Bcl-2, expression of cyclin B1; orally bioavailable, and efficacious in a range of in vivo cancer models.

Blood Cancer

Phase 2 Discontinued

References

Burns CJ, et al. Mol Cancer Ther. 2009 Nov;8(11):3036-45.

Burns CJ, et al. Bioorg Med Chem Lett. 2009 Aug 15;19(16):4639-42.

Burns CJ, et al. J Pharmacol Exp Ther. 2011 Dec;339(3):799-806.

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

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