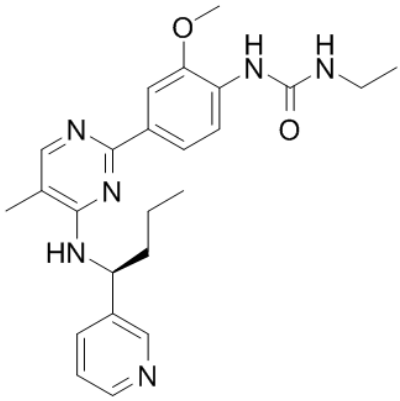
ProbeChem®
Expedite Your Scientific Research

Data Sheet

WWW.PROBECHEM.COM

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name : Lexibulin
Cat. No. : PC-42619
CAS No. : 917111-44-5
Molecular Formula : $C_{24}H_{30}N_6O_2$
Molecular Weight : 434.534
Target : Microtubule/Tubulin
Solubility : 10 mM in DMSO



Biological Activity

Lexibulin (CYT997) is an orally active **tubulin** polymerization inhibitor with potent cytotoxic and vascular disrupting activity in vitro and in vivo.
Lexibulin (CYT997) 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.
Lexibulin (CYT997) is orally bioavailable, and efficacious in a range of in vivo cancer models.

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!

E-mail: tech@probechem.com