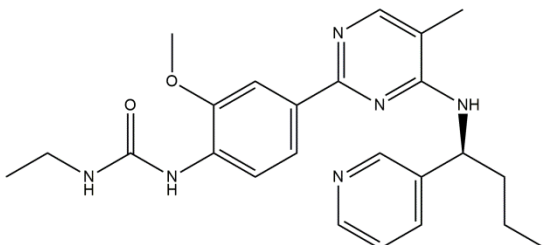


Lexibulin

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ALTERNATE NAMES: CYT997; 1-ethyl-3-[2-methoxy-4-[5-methyl-4-[[[(1S)-1-pyridin-3-ylbutyl]amino]pyrimidin-2-yl]phenyl]urea**CATALOG #:** B3096-1 1 mg
B3096-5 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₄H₃₀N₆O₂**MOLECULAR WEIGHT:** 434.5**CAS NUMBER:** 917111-44-5**APPEARANCE:** White to off-white solid**PURITY:** ≥ 97%**SOLUBILITY:** ~16 mg/ml in ethanol
~20 mg/ml in DMSO or DMF**DESCRIPTION:** Lexibulin is an orally available inhibitor of microtubule polymerization with an IC₅₀ of 3 μM. It blocks cell cycle at the G2-M phase, which leads to cell death. It is cytotoxic to various cell lines with IC₅₀ values ranging from 10-100 nM. It shows antitumor activity in prostate cancer and breast cancer *in vivo* models. It exhibits antivascular activity *in vitro* and *in vivo*.**STORAGE TEMPERATURE:** -20 °C**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**REFERENCE:** Burns, C.J., Fantino, E., Philips, I.D., et al. CYT997: A novel orally active tubulin polymerization inhibitor with potent cytotoxic and vascular disrupting activity *in vitro* and *in vivo*. *Molecular Cancer Therapeutics* 8(11), 3036-3045 (2009).**RELATED PRODUCTS:**CMPD-1 (Cat. No. B2991)
INH6 (Cat. No. B2907)
Paclitaxel (Cat. No. 1567)
Flubendazole (Cat. No. B2955)
Epothilone B (Cat. No. 2012)**DISCLAIMER:** **FOR RESEARCH USE ONLY! Not to be used on humans.**