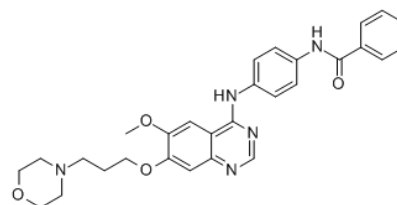


Product Name : ZM-447439
Cat. No. : PC-42348
CAS No. : 331771-20-1
Molecular Formula : C₂₉H₃₁N₅O₄
Molecular Weight : 513.5875
Target : Aurora Kinase
Solubility : 10 mM in DMSO



Biological Activity

ZM-447439 is a potent, selective dual **Aurora A** and **Aurora B** inhibitor with IC₅₀ of 110 and 130 nM, respectively. ZM-447439 prevents anaplastic thyroid cancer cell growth and tumorigenicity, inhibits the growth and tumorigenicity of a panel of ATC derived cell lines (CAL-62, 8305C, 8505C and BHT-101) with IC₅₀ of 0.5-5 uM. ZM447439-treated cells exit mitosis with normal kinetics, accelerates first meiosis in mouse oocytes by overriding the spindle assembly checkpoint.

References

- Baldini E, et al. J Biol Regul Homeost Agents. 2013 Jul-Sep;27(3):705-15.
Gadea BB, et al. Mol Biol Cell. 2005 Mar;16(3):1305-18.
Ditchfield C, et al. J Cell Biol. 2003 Apr 28;161(2):267-80.
Lane SI, et al. Reproduction. 2010 Oct;140(4):521-30.

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

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