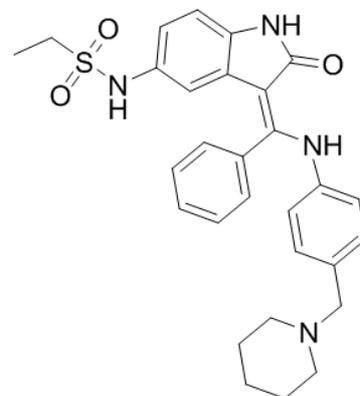


Product Name : Hesperadin
Cat. No. : PC-42868
CAS No. : 422513-13-1
Molecular Formula : C₂₉H₃₂N₄O₃S
Molecular Weight : 516.6544
Target : Aurora Kinase
Solubility : 10 mM in DMSO



Biological Activity

Hesperadin is a small molecule **Aurora B** inhibitor (IC₅₀=250 nM) that perturbs mitosis and induces polyploidy, causes mammalian cells to enter anaphase in the presence of monooriented chromosomes.

Hesperadin inhibits histone H3 phosphorylation and causes midspindle defects, but does not inhibit APC and separase activation.

Hesperadin also markedly reduces the activity of AMPK, Lck, MKK1, MAPKAP-K1, CHK1, and PHK in vitro.

References

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Kapoor TM, et al. *Science.* 2006 Jan 20;311(5759):388-91.

Jetton N, et al. *Mol Microbiol.* 2009 Apr;72(2):442-58.

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

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