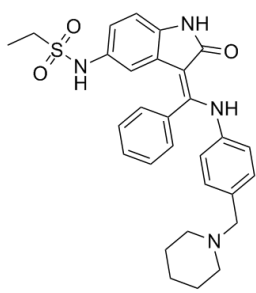


Product Name	: Hesperadin	
Synonyms	: —	
Cat No.	: M14438	
CAS Number	: 422513-13-1	
Molecular Formula	: C ₂₉ H ₃₂ N ₄ O ₃ S	
Formula Weight	: 516.65	
Chemical Name	: Ethanesulfonamide, N-[2,3-dihydro-2-oxo-3-[(3Z)-phenyl[[4-(1-piperidinylmethyl)phenyl]amino]methylene]-1H-indol-5-yl]-	
Description	: Hesperadin is a small molecule Aurora B inhibitor (IC ₅₀ =250 nM) that perturbs mitosis and induces polyploidy, causes mammalian cells to enter anaphase in the presence of monooriented chromosomes; inhibits histone H3 phosphorylation and causes midspindle defects, but does not inhibit APC and separase activation; also markedly reduces the activity of AMPK, Lck, MKK1, MAPKAP-K1, CHK1, and PHK in vitro.	
Pathway	: Cell Cycle/DNA Damage	
Target	: Aurora Kinase	
Receptor	: AuroraB(human);TbAUK1	
Solubility	: 10 mM in DMSO	
SMILES	: <chem>CCS(=O)(=O)NC1=CC2=C(C=C1)NC(=C2C(=NC3=CC=C(C=C3)CN4CCCCC4)C5=CC=CC=C5)O</chem>	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Hauf S, et al. J Cell Biol. 2003 Apr 28;161(2):281-94. | 2. Sessa F, et al. Mol Cell. 2005 Apr 29;18(3):379-91. | 3. Kapoor TM, et al. Science. 2006 Jan 20;311(5759):388-91. | 4. Jetton N, et al. Mol Microbiol. 2009 Apr;72(2):442-58.