

## Product Datasheet

### Hesperadin (orb1300686)

<b>Catalog Number</b>	orb1300686
<b>Category</b>	Small Molecules
<b>Description</b>	Hesperadin is a potent Aurora B inhibitor (IC <sub>50</sub> =250 nM) that also suppresses AMPK, MAPKAP-K1, Lck, CHK1, and PHK in vitro, though it does not inhibit MKK1 activity in vivo. This small molecule is a valuable research tool for studying cell division, kinase signaling pathways, and cancer biology in experimental models.
<b>Target</b>	Aurora Kinase,Parasite,Autophagy,Influenza Virus
<b>Purity</b>	98.04%
<b>MW</b>	516.65
<b>Target Areas</b>	Parasite Autophagy Aurora Kinase Influenza Virus
<b>Solubility (25°C)</b>	10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (3.87 mM);DMSO:55.3 mg/mL (107.04 mM);Ethanol:27.7 mg/mL (53.61 mM)
<b>CAS Number</b>	422513-13-1
<b>Formula</b>	C <sub>29</sub> H <sub>32</sub> N <sub>4</sub> O <sub>3</sub> S
<b>SMILES</b>	CCS(=O)(=O)Nc1ccc2NC(=O)\C(=C(/Nc3ccc(CN4CCCC4)cc3)c3ccccc3)c2c1
<b>Storage</b>	Powder: -20°C for 3 years   In solvent: -80°C for 1 year   Shipping with blue ice/Shipping at ambient temperature.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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