

## Product Datasheet

### Alsteropauellone (orb1225556)

<b>Catalog Number</b>	orb1225556
<b>Category</b>	Small Molecules
<b>Description</b>	Alsteropauellone (9-Nitropauellone, NSC 705701) is a derivative of kenpauellone, ATP-competitive inhibitor of CDKs and GSK3 $\beta$ , inhibits Cdk1/cyclin B, Cdk2/cyclin A, Cdk2/cyclin E and Cdk5/p25 with IC50 of 35, 15, 200 and 40 nM; exhibits specific antitumor activity against Group 3 medulloblastomas, causes inhibition of cell cycle-related genes, and down-regulation of MYC; inhibits the cytosolic degradation of $\beta$ -catenin to alter the canonical Wnt signaling pathway in primary axis patterning, reduces tau phosphorylation.
<b>Target</b>	CDK
<b>Purity</b>	>98% (HPLC)
<b>MW</b>	293.3
<b>Target Areas</b>	CDK
<b>CAS Number</b>	237430-03-4
<b>Formula</b>	C <sub>16</sub> H <sub>11</sub> N <sub>3</sub> O <sub>3</sub>
<b>SMILES</b>	<chem>O=C1NC2=CC=CC=C2C(NC3=C4C=C([N+])([O-])=O)C=C3)=C4C1</chem>
<b>Chemical Name</b>	7,12-dihydro-9-nitro-indolo[3,2-d][1]benzazepin-6(5H)-one
<b>Storage</b>	Storage temperature: -20°C. Stability: $\geq$ 2 years
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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