

<b>Product Name</b>	: CCT018159
<b>Synonyms</b>	: —
<b>Cat No.</b>	: M21862
<b>CAS Number</b>	: 171009-07-7
<b>Molecular Formula</b>	: C <sub>20</sub> H <sub>20</sub> N <sub>2</sub> O <sub>4</sub>
<b>Formula Weight</b>	: 352.4
<b>Chemical Name</b>	: 4-[4-(2,3-dihydro-1,4-benzodioxin-6-yl)-5-methyl-1H-pyrazol-3-yl]-6-ethyl-1,3-benzenediol
<b>Description</b>	<p>The heat shock protein 90 (Hsp90) is a molecular chaperone that activates and maintains the biological functioning of several client proteins, many of which are associated with oncogenic signaling pathways. Its activity is driven by ATP and regulated by co-chaperones such as Hsp72. CCT018159 is a 3,4-diaryl pyrazoloresorcinol compound that inhibits the ATPase activity of Hsp90 with IC<sub>50</sub> values of 3.2 and 6.6 μM for human Hsp90β and yeast Hsp90, respectively. At concentrations up to 100 μM, CCT018159 does not inhibit human Hsp72 ATPase or topoisomerase II, yet at 50 μM CCT018159 inhibits 13 out of a panel of 20 commonly studied kinases.</p>
<b>Pathway</b>	: Others
<b>Target</b>	: Other Targets
<b>Receptor</b>	: —
<b>Solubility</b>	: DMSO: 30 mg/ml
<b>SMILES</b>	: <chem>CCc1cc(c(O)cc1O)c1n[nH]c(C)c1c1ccc2OCCOc2c1</chem>
<b>Storage</b>	: (-20°C)
<b>Stability</b>	: ≥ 2 years
<b>Reference</b>	: