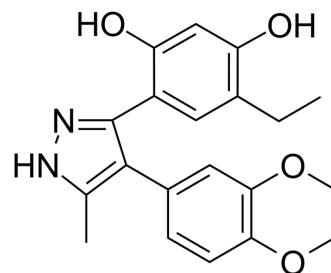


## CCT018159

Cat. No.:	HY-110042
CAS No.:	171009-07-7
Molecular Formula:	C <sub>20</sub> H <sub>20</sub> N <sub>2</sub> O <sub>4</sub>
Molecular Weight:	352.38
Target:	HSP; Apoptosis
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease; Apoptosis
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (354.73 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8378 mL	14.1892 mL	28.3785 mL
	5 mM	0.5676 mL	2.8378 mL	5.6757 mL
	10 mM	0.2838 mL	1.4189 mL	2.8378 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

CCT018159, a 3,4-diaryl pyrazoleresorcinol, is a ATP-competitive HSP90 ATPase activity inhibitor with IC<sub>50</sub>s of 3.2 and 6.6 μM for human Hsp90β and yeast Hsp90, respectively. CCT018159 caused cell cytoskeleton associated with a G1 arrest and induces apoptosis. CCT018159 inhibits key endothelial and tumor cell functions implicated in invasion and angiogenesis<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

human Hsp90β	yeast Hsp90
3.2 μM (IC <sub>50</sub> )	6.6 μM (IC <sub>50</sub> )

### REFERENCES

[1]. Swee Y Sharp, et al. In vitro biological characterization of a novel, synthetic diaryl pyrazole resorcinol class of heat shock protein 90 inhibitors. Cancer Res. 2007 Mar 1;67(5):2206-16.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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