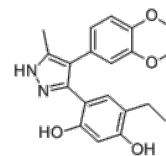


Product Name : CCT018159
Cat. No. : PC-61633
CAS No. : 171009-07-7
Molecular Formula : C₂₀H₂₀N₂O₄
Molecular Weight : 352.39
Target : Heat Shock Protein (HSP)
Solubility : 10 mM in DMSO



Biological Activity

CCT018159 is a potent inhibitor of **Hsp90** ATPase activity with IC₅₀ of 7.1 μM, also inhibits the ATPase activity of R-loop unwinding helicase **DDX39B** (UAP56).

CCT018159 inhibits recombinant **UAP56 ATPase** activity with K_i of 5.5 μM, reduces UAP56 activity by >70% at 100 μM (IC₅₀=64.3 μM).

CCT018159 disrupts vRNP formation without inhibiting cellular mRNA export.

CCT018159 prevents KSHV lytic replication.

CCT018159 shows a mean cellular GI₅₀ of 5.3 μM across a panel of human cancer cell lines.

CCT018159 causes cell cytostasis associated with a G(1) arrest and induces apoptosis, also inhibits key endothelial and tumor cell functions implicated in invasion and angiogenesis.

References

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Schumann S, et al. *Nat Microbiol*. 2016 Oct 31;2:16201.

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Caution: Product has not been fully validated for medical applications. Lab Use Only!

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