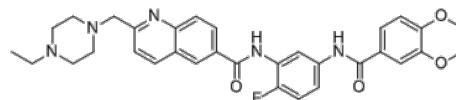


Product Name : CCT361814
Cat. No. : PC-73319
CAS No. : 1693734-80-3
Molecular Formula : C₃₂H₃₂FN₅O₄
Molecular Weight : 569.637
Target : Heat Shock Protein (HSP)
Solubility : 10 mM in DMSO



1. A Elisa Pasqua, et al. **J Med Chem.** 2023 Apr 5.

Biological Activity

CCT361814 (NXP800) is a potent, selective and orally bioavailable inhibitor of **HSF1 pathway** with IC₅₀ of 94 nM (SK-OV-3, HSP72 cell-based ELISA).

CCT361814/NXP800 exhibits excellent antiproliferative activity against human ovarian cancer cells with IC₅₀ of 8.5 nM.

CCT361814/NXP800 displays clean selectivity in the Cerep in vitro safety screen of 87 potentially high-risk off-target proteins, with one exception adenosine A2A receptor (IC₅₀=2 uM).

CCT361814/NXP800 displayed good mouse oral bioavailability (42%) from moderate total blood clearance (CL_{tb} = 10 mL/min/kg, extraction ratio = 11%, F_{max} = 89%).

CCT361814/NXP800 increased expression of CHAC1 mRNA and reduced expression of HSPA1A mRNA, which represent useful PD markers both in vivo tumor samples and in vitro.

CCT361814/NXP800 (35 mg/kg po qd) exhibits tumor growth inhibition (TGI) of 120% in SK-OV-3 human ovarian cancer solid tumor xenografts.

References

