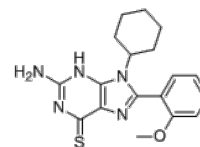


Product Name : TH8321
Cat. No. : PC-72496
CAS No. :
Molecular Formula : C₁₈H₂₁N₅OS
Molecular Weight : 355.46
Target : DNA Repair Protein
Solubility : 10 mM in DMSO



Biological Activity

TH8321 (TH-8321) is a potent, selective **NUDT15** inhibitor with IC₅₀ of 35 nM.

TH8321 demonstrated satisfactory selectivity among a panel of related proteins, including NUDT22, NUDT18, NUDT12, NUDT9, NUDT5, NUDT2, MTH1, ITPase, dCTPase, and dUTPase.

TH8321 potently engaged and inhibited cellular NUDT15, TH8321 (5 μM) substantially potentiated the anti-HCMV efficacy of ganciclovir in HCMV infected MRC-5 cells, recapitulating the effect of NUDT15 knockdown.

References

Si Min Zhang, et al. *Cell Chem Biol.* 2021 Dec 16;28(12):1693-1702.e6.

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

E-mail: tech@probechem.com