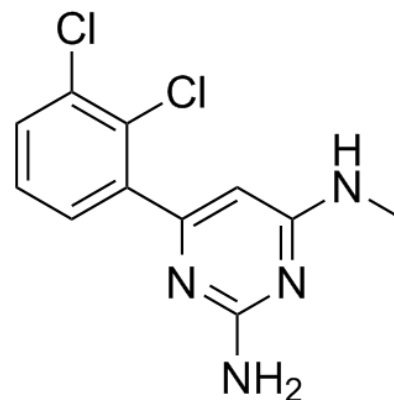


Product Name : TH-287
Cat. No. : PC-45104
CAS No. : 1609960-30-6
Molecular Formula : C₁₁H₁₀Cl₂N₄
Molecular Weight : 269.1299
Target : DNA Repair Protein
Solubility : DMSO: ≥ 2.6 mg/mL



Biological Activity

TH-287 is a potent and selective inhibitor of **MTH1 (NUDT1)** protein with IC₅₀ of 0.8 nM.

TH-287 shows no relevant inhibition for MTH2,NUDT5, NUDT12,NUDT14,NUDT16 and other proteins with known nucleoside triphosphate pyrophosphatase activity.

TH-287 causes incorporation of oxidized dNTPs in cancer cells, leading to DNA damage, cytotoxicity and therapeutic responses in patient-derived mouse xenografts.

References

Gad H, et al. *Nature*. 2014 Apr 10;508(7495):215-21.

Wang M, et al. *Sci Rep*. 2017 Jan 11;7:40557.

Kawamura T, et al. *Sci Rep*. 2016 May 23;6:26521.

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

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