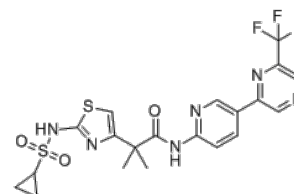


Product Name : CTPS-IN-T35
Cat. No. : PC-72551
CAS No. : 2338811-71-3
Molecular Formula : C₂₀H₁₉F₃N₆O₃S₂
Molecular Weight : 512.526
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

CTPS-IN-T35 is a potent, small molecule inhibitor of **CTPS (cytidine triphosphate synthase)** with IC₅₀ of 4.7/25.7 nM against CTPS1/2 in RapdFire MS assays.

CTPS-IN-T35 inhibited lymphocyte proliferation (Jurkat cells IC₅₀=6 nM, human/mouse T-Cells IC₅₀=24/63.5 nM) by preventing expansion of CTP pools via de novo synthesis.

References

Eric M Lynch, et al. *Proc Natl Acad Sci U S A*. 2021 Oct 5;118(40):e2107968118.

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

E-mail: tech@probechem.com