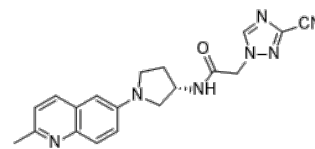


Product Name : IID432
Cat. No. : PC-25928
CAS No. : 3094992-69-2
Molecular Formula : C₁₉H₁₉N₇O
Molecular Weight : 361.41
Target : Parasite
Solubility : 10 mM in DMSO



CAS: 3094992-69-2

Biological Activity

IID432 (IID-432) is a highly potent, covalent inhibitor of Trypanosoma cruzi topoisomerase II (**T. cruzi Topo II**), shows potent activity against T. cruzi with EC₅₀ of 8 nM.

IID432 shows covalently engaging a parasite-specific cysteine (Cys477), thereby conferring selectivity over the human TOP2A.

IID432 displays favorable oral pharmacokinetics, with no off-target activity on human topoisomerases.

IID432 rapidly induces parasite-specific DNA damage and produces sterilizing activity in vitro and in vivo without recrudescence.

References

René O, et al. *J Med Chem.* 2026 Jan 7. doi: 10.1021/acs.jmedchem.5c02459.

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

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