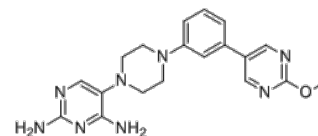


Product Name : Fanotaprim
Cat. No. : PC-38359
CAS No. : 2120282-75-7
Molecular Formula : C₁₉H₂₂N₈O
Molecular Weight : 378.440
Target : Parasite
Solubility : 10 mM in DMSO



Biological Activity

Fanotaprim (VYR-006) is a potent, selective *Toxoplasma gondii* DHFR (**TgDHFR**) inhibitor with IC₅₀ of 1.6 nM, 200-fold selectivity over human DHFR (hDHFR), shows anti-parasiticidal activity in vitro and in vivo.

Fanotaprim (VYR-006) demonstrated a parasiticidal EC₅₀ of 13 nM against the type I RH strain of *T. gondii*.

Fanotaprim (VYR-006) was effective in radical cure of acute infection with the highly virulent type I RH strain in the murine model showed similar potency across multiple parasite lineages in cell-based parasite growth assays.

References

Allen T Hopper, et al. *J Med Chem*. 2019 Feb 14;62(3):1562-1576.

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

E-mail: tech@probechem.com