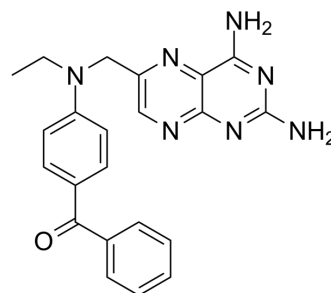


TbPTR1 inhibitor 1

Cat. No.:	HY-147940
CAS No.:	2499713-65-2
Molecular Formula:	C ₂₂ H ₂₁ N ₇ O
Molecular Weight:	399.45
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	TbPTR1 inhibitor 1 (compound 5d) is a potent kinetoplastid pteridine reductase 1 (PTR1) inhibitor with an IC ₅₀ <0.1 nM for Tb PTR1. TbPTR1 inhibitor 1 has inhibitory activity against Trypanosoma brucei (EC ₅₀ =0.66 μM) ^[1] .
IC ₅₀ & Target	IC ₅₀ : <0.1 nM (TbPTR1) ^[1]

REFERENCES

[1]. Pöhner I, et al. Multitarget, Selective Compound Design Yields Potent Inhibitors of a Kinetoplastid Pteridine Reductase 1. J Med Chem. 2022 Jun 8.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA