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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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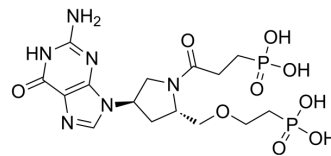
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HGPRT/TBrHGPRT1-IN-1

Cat. No.:	HY-158323
Molecular Formula:	C ₁₅ H ₂₄ N ₆ O ₉ P ₂
Molecular Weight:	494.33
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	HGPRT/TBrHGPRT1-IN-1 (Compound 5) is a selective inhibitor targeting human hypoxanthine-guanine phosphoribosyltransferase (HGPRT) and Trypanosoma bruce HGPRT1 (TBrHGPRT1) (both K _i =3 nM). HGPRT/TBrHGPRT1-IN-1 ultimately results in decreased cell growth. HGPRT/TBrHGPRT1-IN-1 is primarily used in the research of infectious diseases and cancer ^[1] .
In Vitro	HGPRT/TBrHGPRT1-IN-1 inhibition activity is K _i =3 nM (human HGPRT); 10 nM (Pf HGXPRT); 60 nM (Pv HGPRT); 3 nM (TBr HGPRT1); 0.3 μM (Mtb HGPRT); 0.1 μM (Hp XGHPR); 4 μM (Ec XGPRT) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Cheshmazar N, et al. Key structural requirements of benzamide derivatives for histone deacetylase inhibition: design, synthesis and biological evaluation. Future Med Chem. 2024 Apr 16.

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

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