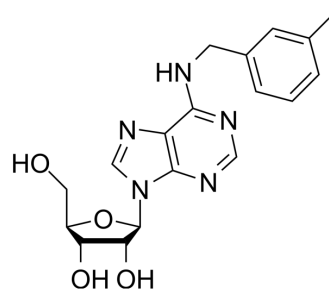


Antiviral agent 23

Cat. No.:	HY-151924
CAS No.:	35940-03-5
Molecular Formula:	C ₁₈ H ₂₁ N ₅ O ₄
Molecular Weight:	371.39
Target:	Enterovirus
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antiviral agent 23 (compound 11b) is an antiviral agent to enterovirus 71 (EV71) with an EC ₅₀ value of 94 nM. Antiviral agent 23 effectively suppresses the activity of METTL3/METTL14. Antiviral agent 23 can be used for the research of infection ^[1] .
In Vitro	Antiviral agent 23 (0-100 μM) inhibits CVA21 and EV68 replication in HeLa cells with EC ₅₀ values of 36.4 and 8.9 μM, respectively ^[1] . Antiviral agent 23 (100 μM) inhibits the enzymatic activity of METTL3/METTL14 of 74.45% ^[1] . Antiviral agent 23 (0-100 μM) shows antiviral effect to EV71 and inhibits the replication of the EV71 strain BrCr in RD cells with an EC ₅₀ value of 94 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Salerno M, et al. Rational design of novel nucleoside analogues reveals potent antiviral agents for EV71. Eur J Med Chem. 2022 Nov 24;246:114942.

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

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