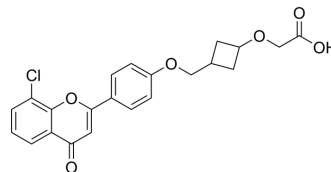


HBV-IN-29

Cat. No.:	HY-148780
CAS No.:	2413192-59-1
Molecular Formula:	C ₂₂ H ₁₉ ClO ₆
Molecular Weight:	414.84
Target:	HBV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	HBV-IN-29 (ex8), a flavone derivative, is a potent covalently closed circular DNA (cccDNA) inhibitor. cccDNA serves as the template for viral RNA transcription and subsequent viral DNA generation. HBV-IN-29 has the potential for the research of HBV infection ^[1] .
In Vitro	HBV-IN-29 (ex8; 24 h) inhibits HBeAg levels and cell viability with an IC ₅₀ value of 1.34 μM in HepDES19 cells. HepDES19 is the cell line that produces cccDNA ^[1] . HBV-IN-29 (5 days) decreases cccDNA levels in HepDES19 cells in a dose-dependent manner ^[1] . HBV-IN-29 (9 days; primary human hepatocyte (PHH)) has anti-HBV effect and inhibits HBeAg with an IC ₅₀ value of 0.12 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Song F, et, al. Flavone compounds for the treatment and prophylaxis of hepatitis b virus disease. WO2020053249.

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

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