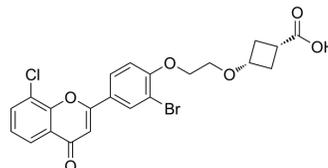


HBV-IN-30

Cat. No.:	HY-148781
CAS No.:	2413192-92-2
Molecular Formula:	C ₂₂ H ₁₈ BrClO ₆
Molecular Weight:	493.73
Target:	HBV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	HBV-IN-30 (ex44), 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-30 has the potential for the research of HBV infection ^[1] .
In Vitro	<p>HBV-IN-30 (ex44; 24 h) inhibits HBeAg levels and cell viability with an IC₅₀ value of 0.57 μM in HepDES19 cells. HepDES19 is the cell line that produces cccDNA^[1].</p> <p>HBV-IN-30 (5 days) decreases cccDNA levels in HepDES19 cells in a dose-dependent manner^[1].</p> <p>HBV-IN-30 (9 days; primary human hepatocyte (PHH)) has anti-HBV effect and inhibits HBeAg with an IC₅₀ value of 0.04 μM^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

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.

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