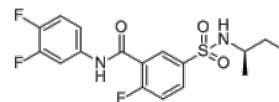


Product Name : AB-423
Cat. No. : PC-63323
CAS No. : 1572510-80-5
Molecular Formula : C₁₇H₁₇F₃N₂O₃S
Molecular Weight : 386.389
Target : HBV
Solubility : 10 mM in DMSO



Biological Activity

AB-423 (AB423) is a potent, class II **HBV capsid** inhibitor that shows potent inhibition of HBV replication with EC₅₀ of 0.08-0.27 uM, with no significant cytotoxicity (CC₅₀>10 uM).

AB-423 inhibits HBV genotypes A through D and nucleos/tide-resistant variants, causes capsid particles devoid of encapsidated pgRNA and rcDNA in treated HepDES19 cells.

AB-423 prevents the conversion of encapsidated rcDNA to cccDNA presumably by interfering with the capsid uncoating process.

AB-423 dose-dependently reduces serum HBV DNA levels in mouse model of HBV model, shows synergistic antiviral activity combined with entecavir (ETV).

References

Mani N, et al. *Antimicrob Agents Chemother*. 2018 Mar 19. pii: AAC.00082-18.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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