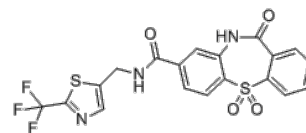


Product Name : Vebicorvir
Cat. No. : PC-49567
CAS No. : 2090064-66-5
Molecular Formula : C₁₉H₁₂F₃N₃O₄S₂
Molecular Weight : 467.437
Target : HBV
Solubility : 10 mM in DMSO



Biological Activity

Vebicorvir (ABI-H0731) is a first-generation hepatitis B virus (**HBV**) core protein inhibitor, exhibits selective inhibition of HBV DNA replication with EC₅₀ from 173 nM to 307 nM.

Vebicorvir (ABI-H0731) ABI-H0731 suppressed covalently closed circular DNA (cccDNA) formation in two de novo infection models with EC₅₀s from 1.84 μM to 7.3 μM.

Vebicorvir (ABI-H0731) modulates the function of HBV core protein by promoting the assembly of aberrant capsids, blocking the encapsidation of pgRNA, and inhibiting the subsequent replication of HBV DNA, which ultimately leads to the inhibition of the production of mature viral particles.

Vebicorvir (ABI-H0731) showed broad-spectrum activity against genotypes A, B, C, and D with EC₅₀ values from 86 to 142 nM.

Vebicorvir (ABI-H0731) exhibits pangenotypic activity and is additive to moderately synergistic when combined with NRTI entecavir (ETV).

References

Huang Q, et al. *Antimicrob Agents Chemother*. 2020 Oct 20;64(11):e01463-20.

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

E-mail: tech@probechem.com