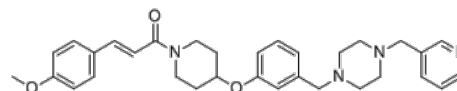


Product Name : ZINC20451377
Cat. No. : PC-38657
CAS No. : 2306303-35-3
Molecular Formula : C₃₂H₃₈N₄O₃
Molecular Weight : 526.681
Target : HBV
Solubility : 10 mM in DMSO



Biological Activity

ZINC20451377 is a small molecule that binds to **hepatitis B surface antigen (HBsAg)** with high affinity ($K_d=65.3$ nM), reduces HBsAg levels and HBV virion secretion in cell culture model for HBV.

ZINC20451377 effectively inhibits both WT HBV ($IC_{50}=9.7$ μ M) and tenofovir-resistant HBV.

ZINC20451377 inhibits HBsAg and virion secretion in some of the clinically relevant drug-resistant HBV mutants.

References

S Kiruthika, et al. *Sci Rep.* 2021 Jun 3;11(1):11723.

S Kiruthika, et al. *J Antimicrob Chemother.* 2022 May 6;dkac148.

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

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