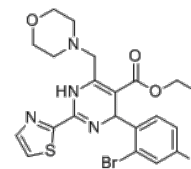


Product Name : GLS4
Cat. No. : PC-63326
CAS No. : 1092970-12-1
Molecular Formula : C₂₁H₂₂BrFN₄O₃S
Molecular Weight : 509.394
Target : HBV
Solubility : DMSO: 100 mg/mL



Biological Activity

GLS4 (Morphothiadin) is a potent inhibitor of **HBV capsid** assembly, inhibits HBV replication (EC₅₀=62.24 nM).

GLS4 (Morphothiadin) reduces HBV-DNA levels in HepG.2.2.15 cells (IC₅₀=14 nM), shows efficacy against ADV-resistant HBV mutations.

GLS4 (Morphothiadin) strongly inhibits core gene expression (at 100 to 200 nM), suppresses virus accumulation in the supernatant of HepAD38 cells.

GLS4 (Morphothiadin) inhibits HBV replicative forms in the live, shows strong and sustained suppression of virus DNA in treated mice.

References

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Wu G, et al. *Antimicrob Agents Chemother.* 2013 Nov;57(11):5344-54.

Ren Q, et al. *Bioorg Med Chem.* 2017 Feb 1;25(3):1042-1056.

Tu T, et al. *J Virol.* 2018 Feb 7. pii: JVI.02007-17.

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

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