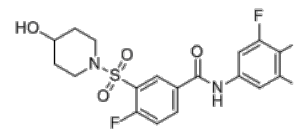


**Product Name** : NVR 3-778  
**Cat. No.** : PC-35873  
**CAS No.** : 1445790-55-5  
**Molecular Formula** : C<sub>18</sub>H<sub>16</sub>F<sub>4</sub>N<sub>2</sub>O<sub>4</sub>S  
**Molecular Weight** : 432.39  
**Target** : HBV  
**Solubility** : 10 mM in DMSO



## Biological Activity

NVR 3-778 (NVR3-778, NVR 3778) is a small molecule inhibitor of **HBV replication** that targets the viral core protein, a first-in-class **capsid assembly modulator**.

NVR 3-778 inhibits the generation of infectious HBV DNA containing virus particles with EC<sub>50</sub> of 0.40 μM in HepG2.2.15 cells.

NVR 3-778 inhibits pgRNA encapsidation, viral replication and the production of HBV DNA- and HBV RNA-containing particles.

NVR 3-778 also inhibits de novo infection and viral replication in primary human hepatocytes with EC<sub>50</sub> of 0.81 μM against HBV DNA and 3.7-4.8 μM against the production of HBV antigens and intracellular HBV RNA.

NVR 3-778 demonstrates favorable pharmacokinetics and safety in animal species.

## References

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Klumpp K, et al. *Gastroenterology.* 2018 Feb;154(3):652-662.e8.

Helsen N, et al. *Antimicrob Agents Chemother.* 2018 Oct 24;62(11). pii: e01497-18.

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

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