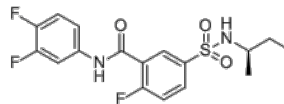


Product Name	: AB-423
Synonyms	: AB423;AB423
Cat No.	: M12247
CAS Number	: 1572510-80-5
Molecular Formula	: C ₁₇ H ₁₇ F ₃ N ₂ O ₃ S
Formula Weight	: 386.39
Chemical Name	: (R)-5-(N-(sec-butyl)sulfamoyl)-N-(3,4-difluorophenyl)-2-fluorobenzamide
Description	AB-423 is a novel potent, class II HBV capsid inhibitor that shows potent inhibition of HBV replication with EC₅₀ of 0.08-0.27 uM, with no significant cytotoxicity (CC₅₀>10 uM); inhibits HBV genotypes A through D and nucleos/tide-resistant variants, causes capsid particles devoid of encapsidated pgRNA and rcDNA in treated HepDES19 cells, prevents the conversion of encapsidated rcDNA to cccDNA presumably by interfering with the capsid uncoating process; dose-dependently reduces serum HBV DNA levels in mouse model of HBV model, shows synergistic antiviral activity combined with entecavir (ETV).HBV Infection Phase 1 Clinical
Pathway	: Microbiology/Virology
Target	: HBV
Receptor	: HBV
Solubility	: DMSO : 83.3 mg/mL215.59 mM
SMILES	: <chem>CCCC(C)NS(=O)(=O)C1=CC(=C(C=C1)F)C(=O)NC2=CC(=C(C=C2)F)F</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



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