

AB-423

Chemical Properties

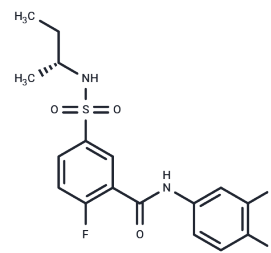
CAS No. : 1572510-80-5

Formula: C₁₇H₁₇F₃N₂O₃S

Molecular Weight: 386.39

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	AB-423 is an inhibitor of HBV capsid assembly, and potently inhibits HBV replication (EC ₅₀ /EC ₉₀ : 0.08-0.27 μM/0.33-1.32 μM in cells).
Targets(IC ₅₀)	HBV
In vitro	AB-423 shows an inhibitory effect on relaxed circular DNA production in AML12-HBV10 and HepDE19 cells (EC ₅₀ s: ~ 0.260 μM). AB-423 also suppresses cccDNA formation-dependent HBeAg production in the HepBHAe82 assay (EC ₅₀ : 0.267 μM) and inhibits HBV DNA levels in culture supernatants of HepG 2.2.15 cells (EC ₅₀ : 0.134 μM).

Solubility Information

Solubility	DMSO: 80 mg/mL (207.05 mM), Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5881 mL	12.9403 mL	25.8806 mL
5 mM	0.5176 mL	2.5881 mL	5.1761 mL
10 mM	0.2588 mL	1.294 mL	2.5881 mL
50 mM	0.0518 mL	0.2588 mL	0.5176 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Mani N, et al. Preclinical profile of AB-423, an inhibitor of Hepatitis B virus pgRNA encapsidation. Antimicrob Agents Chemother. 2018 May 25;62(6). pii: e00082-18.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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