

Product Data Sheet

Product Name: Vebicorvir

Cat. No.: GC63250

Chemical Properties

Cas. No. 2090064-66-5

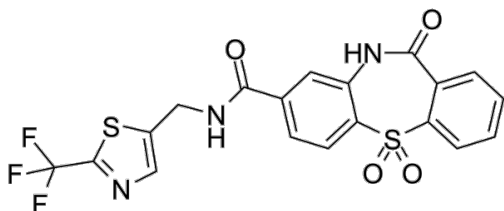
Formula $C_{19}H_{12}F_3N_3O_4S_2$ M.Wt 467.44

Solubility DMSO : 100 mg/mL (213.93 mM; Storage Store at -20°C
Need ultrasonic)

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the
tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or
Condition blue ice upon request.

Structure



Background

Vebicorvir (ABI-H0731) is a first-generation hepatitis B virus (HBV) core protein inhibitor. Vebicorvir (ABI-H0731) suppresses covalently closed circular DNA (cccDNA) formation in two de novo infection models with EC₅₀s from 1.84 μM to 7.3 μM[1].

Vebicorvir (ABI-H0731) demonstrates inhibition of pgRNA, HBeAg, and HBsAg production, with EC₅₀s of 2.68 μM, 4.95 μM, and 7.30 μM, respectively[1]. Vebicorvir (ABI-H0731) is an inhibitor of

Caution: Product has not been fully validated for medical applications. For research use only.

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pgRNA encapsidation and rcDNA synthesis[1].

After i.v. administration, the drug rapidly distributes and decays in a biphasic manner in all species tested. Plasma clearance values of ABI-H0731 were 8.05, 10.1, 14.7, and 4.86 ml/min/kg, representing 9, 16, 47, and 11% of liver blood flow, in mouse, rat, dog, and monkey, respectively[1].

[1]. Qi Huang, et al. Preclinical Profile and Characterization of the Hepatitis B Virus Core Protein Inhibitor ABI-H0731. Antimicrob Agents Chemother. 2020 Oct 20;64(11):e01463-20.

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