

Product Data Sheet

Product Name: RG7834 (RO 7020322)

Cat. No.: GC32193

Chemical Properties

Cas. No. 2072057-17-9

SMILES O=C(O)C1=CN2[C@@H](CC3=CC(OCCOC)=C(C=C3C2=CC1=O)OC)C(C)C

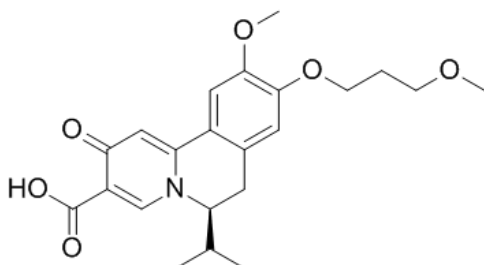
Formula $C_{22}H_{27}NO_6$ M.Wt 401.45

Solubility DMSO : 125 mg/mL (311.37 mM) Storage Store at -20°C

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

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

Structure



Background

RG7834 (RO 7020322) is a highly selective and orally bioavailable HBV inhibitor, potently inhibits HBV antigens (both HBsAg and HBeAg) and HBV DNA, with IC50s of 2.8, 2.6, and 3.2 nM, respectively, in dHepaRG Cells[1].

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hERG channel[1].

RG7834 (4 mg/kg, twice daily for 21 days) shows anti-HBV efficacy in HBV-infected human liver chimeric uPA-SCID mice[1].RG7834 (2, 14.5 mg/kg, p.o.) exhibits good oral bioavail ability, with a half-life of 4.9 h in mice[1].

[1]. Han X, et al. Discovery of RG7834: The First-in-Class Selective and Orally Available Small Molecule Hepatitis B Virus Expression Inhibitor with Novel Mechanism of Action. J Med Chem. 2018 Oct 4.

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