

Product Data Sheet

Product Name: Besifovir
Cat. No.: GC38517

Chemical Properties

Cas. No. 441785-25-7

SMILES NC1=NC=C2N=CN(CC3(OCP(O)(O)=O)CC3)C2=N1

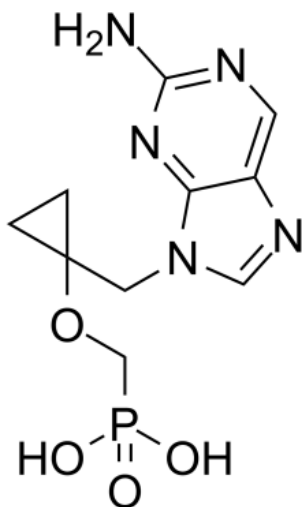
Formula $C_{10}H_{14}N_5O_4P$ M.Wt 299.22

Solubility DMSO: 250 mg/mL (835.51 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

Besifovir (LB80331), a parent drug converted by LB80380, further metabolizes to its active form, LB80317. LB80380 is potent antiviral agent against hepatitis B virus (HBV) [1][2].

[1]. Jung JA, et al. Pharmacokinetic comparison of the maleate and free base formulations of LB80380, a novel nucleotide analog, in healthy male volunteers. *Int J Clin Pharmacol Ther.* 2012 Sep;50(9):657-64. [2]. Yuen MF, et al. A randomized placebo-controlled, dose-finding study of oral LB80380 in HBeAg-positive patients with chronic hepatitis B. *Antivir Ther.* 2006;11(8):977-83.

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

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