

Product Data Sheet

Product Name: Dexelvucitabine

Cat. No.: GC64590

Chemical Properties

Cas. No. 134379-77-4

Formula C₉H₁₀FN₃O₃

M.Wt 227.19

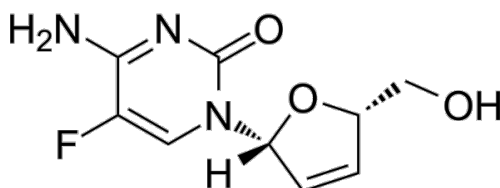
Solubility

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

Dexelvucitabine (Reverset; d-d4FC), a Cytidine analog, is an orally active nucleoside reverse transcriptase inhibitor. Dexelvucitabine is a powerful drug against HIV-1-resistant viruses containing a thymidine analog and/or M184V mutation in the viral polymerase. Dexelvucitabine is a 2'-Deoxycytidine antiretroviral agent[1].

Dexelvucitabine (Reverset; d-d4FC; 33.3 mg/kg by i.v. or p.o.) has distribution and elimination half-lives ($t_{1/2\alpha}$ and $t_{1/2\beta}$, respectively) of 0.7 and 3.6 h in monkeys, respectively. The C_{max} ranges from 21.1 to 47.5 μ M[2]. Dexelvucitabine has a favorable pharmacokinetic profile with a long half-life (4.71

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

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and 10.75 h after administration by the intravenous [i.v.] and oral [p.o.] routes, respectively) in woodchucks[2].

[1]. Brenda I Hernandez-Santiago, et al. Antiviral and cellular metabolism interactions between Dextelvucitabine and lamivudine. Antimicrob Agents Chemother. 2007 Jun;51(6):2130-5. [2]. L Ma, et al. Pharmacokinetics of the antiviral agent beta-D-2',3'-didehydro-2',3'-dideoxy-5-fluorocytidine in rhesus monkeys. Antimicrob Agents Chemother. 1999 Feb;43(2):381-4.

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