



Product Information

Product ID E5576

CAS No. 142217-69-4

Chemical Name 2-amino-9-[(1S,3R,4S)-4-hydroxy-3-(hydroxymethyl)-2-methylidenecyclopentyl]-3H-purin-6-one

Synonym

Formula C₁₂H₁₅N₅O₃

Formula Wt. 277.28

Melting Point 230-240C

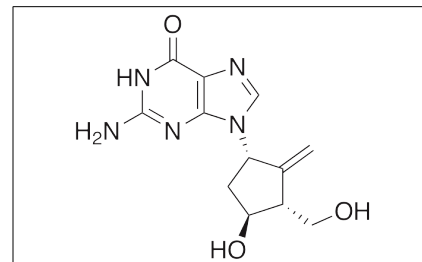
Purity ≥97%

Solubility Water (2-3 mg/ml)
DMSO
Methanol

Store Temp Ambient

Ship Temp Ambient

Description Entecavir is a cyclopentane class nucleoside analog of deoxyguanosine. Entecavir exhibits antiviral activity and is used clinically to treat hepatitis B infections. Entecavir binds to reverse transcriptase and gets incorporated into DNA, causing chain termination and preventing protein synthesis. This compound may also inhibit HIV-1 reverse transcriptase as well.



Bulk quantities available upon request

Product ID	Size
E5576	1 mg
E5576	5 mg
E5576	25 mg

References Yurdaydin C. Entecavir: a step forward in combating hepatitis B disease. Expert Opin Pharmacother. 2008 Dec;9 (17):3095-109. PMID: 19006481.

Cheng PN, Chang TT. Entecavir: a potent antiviral with minimal long-term resistance in nucleoside-naive chronic hepatitis B patients. Expert Rev Anti Infect Ther. 2008 Oct;6(5):569-79. PMID: 18847396.

Domaoal RA, McMahon M, Thio CL, et al. Pre-steady-state kinetic studies establish entecavir 5'-triphosphate as a substrate for HIV-1 reverse transcriptase. J Biol Chem. 2008 Feb 29;283(9):5452-9. PMID: 17962184.

Langley DR, Walsh AW, Baldick CJ, et al. Inhibition of hepatitis B virus polymerase by entecavir. J Virol. 2007 Apr;81(8):3992-4001. PMID: 17267485.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.