

Centre For AIDS Reagents

Data Sheet

NAME:	Entecavir Hydrate
REPOSITORY REFERENCE:	100624
DESCRIPTION:	A synthetic analogue of 2'-deoxyguanosine, entecavir is a nucleoside reverse transcriptase inhibitor with selective antiviral activity against hepatitis B virus. It is phosphorylated intracellularly to the active triphosphate form, which competes with deoxyguanosine triphosphate, the natural substrate of hepatitis B virus reverse transcriptase, inhibiting every stage of the enzyme's activity, although it has no activity against HIV. Entecavir is used for the treatment of chronic hepatitis B.
PRESENTATION:	20 mg
SOLUBILITY:	Water: 2.4 mg/mL DMSO: 59 mg/mL
CHEMICAL NAME:	2-amino-9-4-[hydroxy-3-(hydroxymethyl)-2-methylidene-cyclopentyl]-3H-purin-6-one-Baraclude
MOLECULAR FORMULA:	$C_{12}H_{15}N_5O_3 \cdot xH_2O$
MOLECULAR WEIGHT:	277.28g/mol
STORAGE:	Room temperature, cool, dark, dry.
SOURCE:	Carbosynth, UK
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