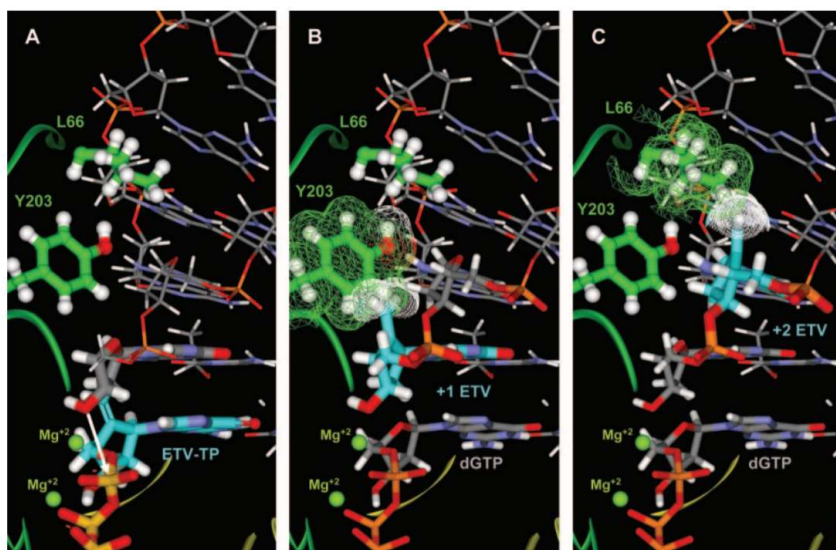


Entecavir

- An oral hepatitis B virus (HBV) nucleoside/tide reverse transcriptase inhibitor (NRTI) approved in the US in 2005
- ETV triphosphate (ETV-TP) inhibits HBV polymerase which participates in DNA synthesis
- Owing to the highly efficient conversion of ETV to ETV-TP in cells, ETV shows superior potency to other analogs culture EC₅₀ 5.3 nM, ETV-TP enzyme IC₅₀ 0.5 nM)

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Bristol Myers Squibb™



Previous total syntheses of entecavir:

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