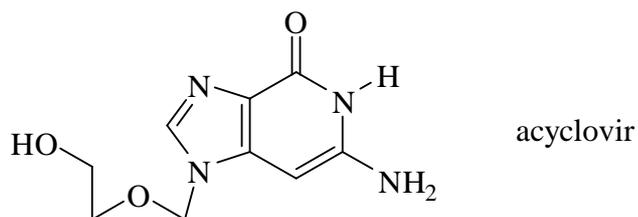


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4

- Acyclovir is an analogue of the nucleoside guanosine, and is used clinically as an antiviral agent.



Hydrolysis of acyclovir gives the nucleic base guanine, a diol and a carbonyl compound. Give the structures of guanine, a tautomer of guanine, and the diol and carbonyl compounds formed.

guanine	tautomer of guanine
the diol	the carbonyl compound

THE REMAINDER OF THIS PAGE IS FOR ROUGH WORKING ONLY.