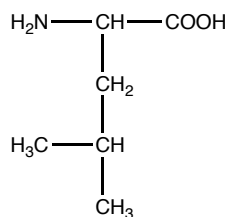




1 The structure of leucine is shown:



reaction with NaOH

reaction with ethanoyl chloride

reaction with bromoethane (1:1 ratio)

2 a Draw the nucleotide containing one phosphate group, one deoxyribose group and one guanine group.

b Identify the complementary base to guanine, and how they interact from one DNA strand to the other.

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3 a Draw *cis*-platin.

b Explain how *cis*-platin acts as an anticancer drug

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