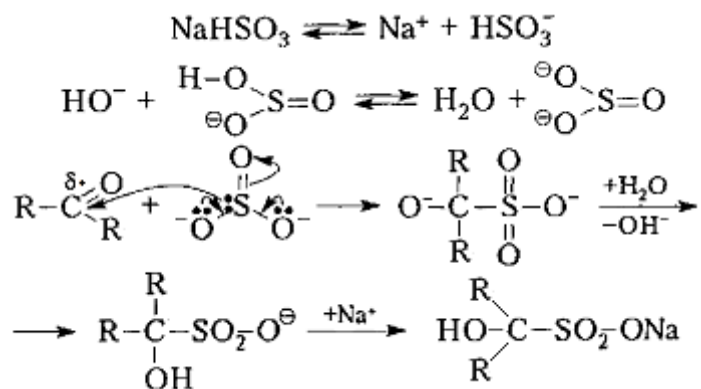


Question #57712, Chemistry / Organic Chemistry

Sodium bisulfite solution shows nucleophilic addition to carbonyl compounds. How to draw a mechanism of such reaction with propanone?

Answer:

Mechanism of sodium bisulfite addition to propanone (**R**– implies methyl residue **CH₃–**):



Product of this reaction is the so-called bisulfite adduct, which is insoluble.