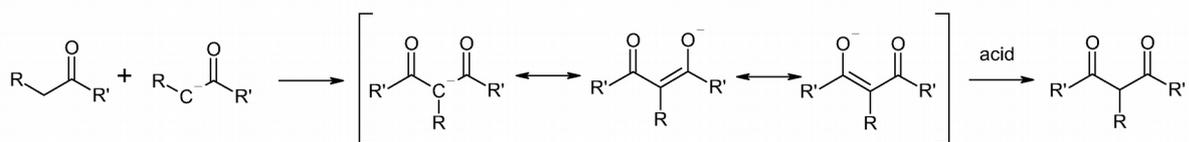


Question:

How many alpha-hydrogens are required for a Claisen condensation to be successful and why?

Answer:

Two alpha-hydrogens (not one) are required for a Claisen condensation. The presence of two protons necessary for forming resonance-stabilized enolate anion, which in the last step is converted β -keto ester:



Answer provided by www.AssignmentExpert.com