

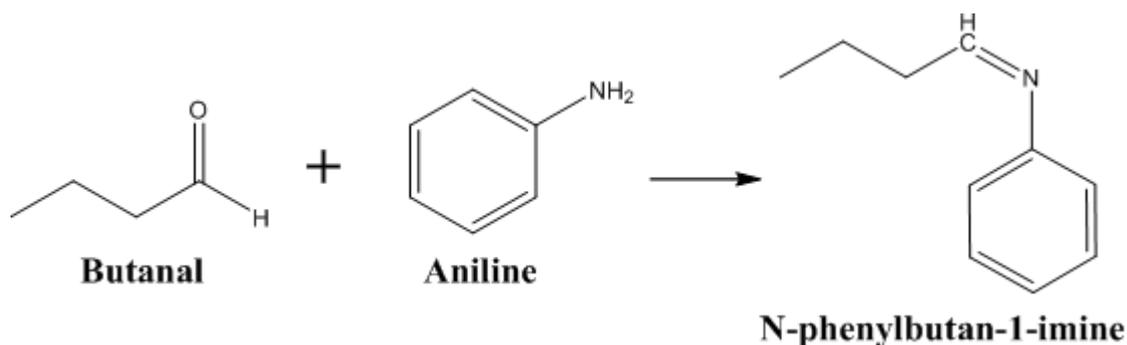
Answer on Question #68238 - Chemistry - Organic Chemistry

Task:

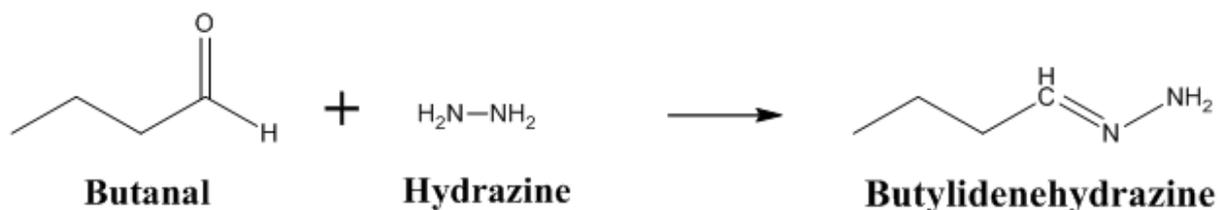
Write the reaction which occur between butanal and a) aniline; b) hydrazine; c) hydration reaction; d) oxidation reaction. Name the product of the reaction.

Solution:

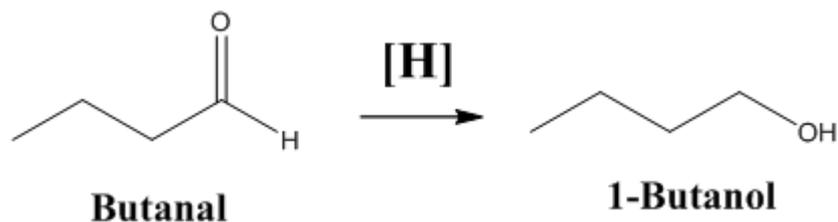
a) Reaction between butanal and aniline:



b) Reaction between butanal and hydrazine:

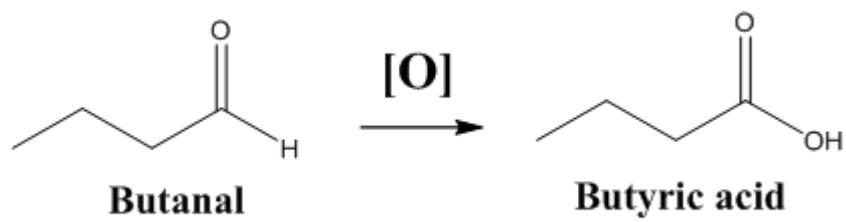


c) Hydrogenation reaction:



Popular reduction agents [H] include hydrogen (H₂ / Pd / C), sodium borohydride (NaBH₄), lithium aluminium hydride (LiAlH₄) and other

d) Oxidation reaction:



Popular oxidizing agents [O] include potassium permanganate (KMnO_4), nitric acid (HNO_3), chromium (VI) oxide (CrO_3), and chromic acid (H_2CrO_4) and other.

Answer provided by AssignmentExpert.com