

Answer on Question#58150 – Chemistry – General chemistry

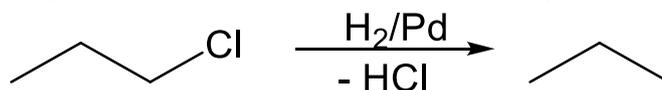
Question: How would you prepare alkanes from the following? (Give only one example). (2)

(i) Alkyl halide

(ii) Carboxylic acid

Answer:

- (i) We can prepare alkanes from alkyl halide by reduction. Reduction reagents are zinc and acetic acid; Zn-Cu couple in ethanol; H_2/Pd and other. Example:



- (ii) We can prepare alkanes from Carboxylic acid by decarboxylation of Carboxylic acids. Example:

