

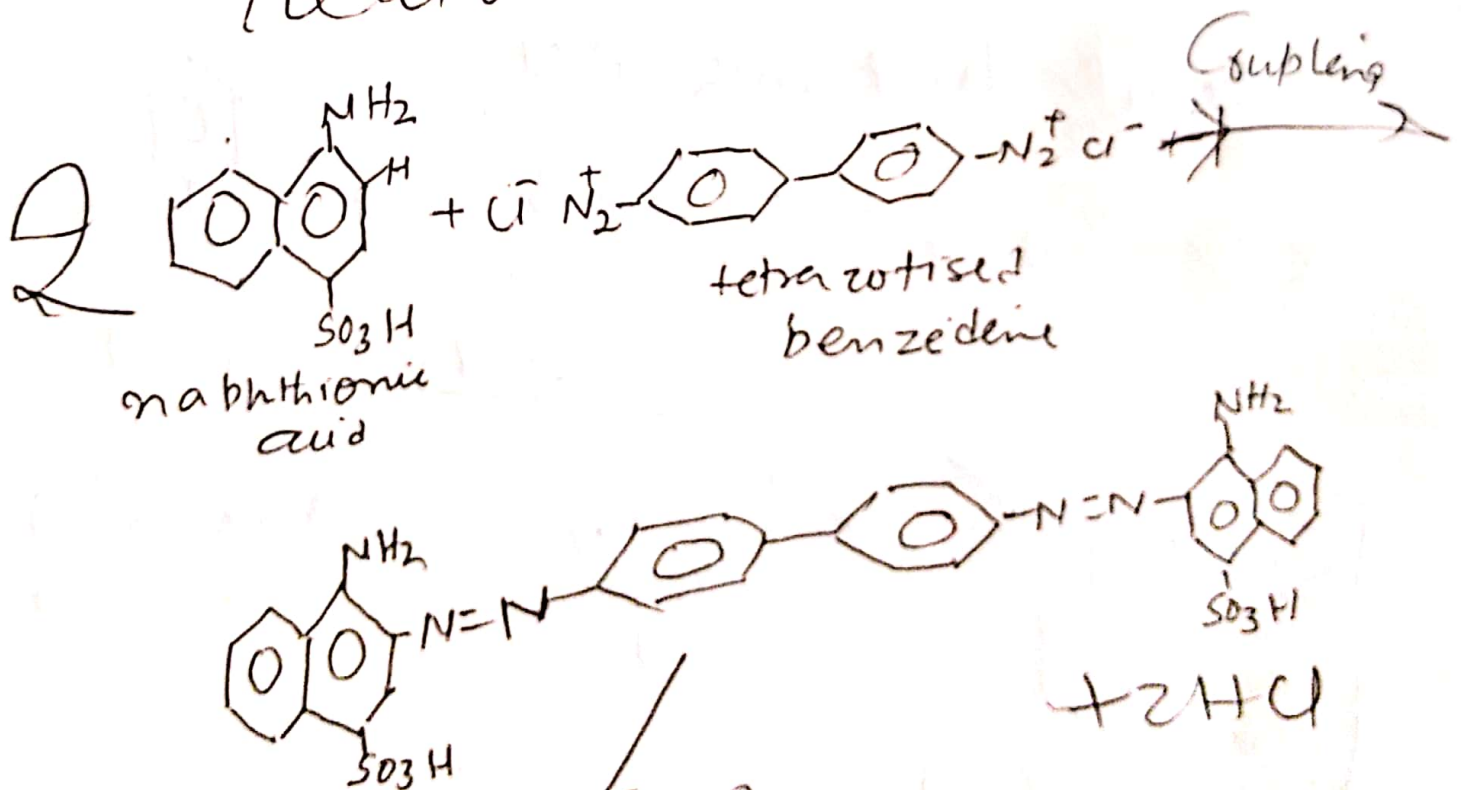
TDC-III
Paper-VII
Dye

Congo Red - Structure & Class & Prep.

Congo Red is a azo dye which means this dye molecules contains a $\text{N}=\text{N}$ group

Preparation - When tetrazotized benzidine is treated with naphthionic acid then Congo-Red dye is obtained

- Formation of Congo-Red via this process is an example of coupling reaction



Uses

Congo Red

It is used as Indicator (blue in solution with less than 3 pH value & red above pH 3). For dyeing paper

