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web mar 15 2019 what is the mechanism of toluene oxidation by  $\text{KMnO}_4$  it is quite simple reaction that  $\text{KMnO}_4$  can oxidize benzylic hydrogen in toluene and synthesize benzoic acid however i cannot find exact mechanism of reaction in

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web description treatment of an alkylbenzene with potassium permanganate results in oxidation to give the benzoic acid notes the position directly adjacent to an aromatic group is called the benzylic position the reaction only works if there is a hydrogen attached to the carbon examples

**oxidation of alkylarenes to the corresponding acids using** - Mar 10 2023

web may 1 2004 the oxidation of toluene by aq  $\text{KMnO}_4$  under hydrodynamic cavitation was taken as a model reaction and various parameters have been optimized the oxidation of toluene by aq  $\text{KMnO}_4$  gives benzoic acid scheme 1  $\text{KMnO}_4$  in turn is reduced to  $\text{MnO}_2$  the reaction did not give any other byproduct