

# Effect of Dielectric Constant of Substituted Dihydropyrimidinone by pH -Metrically

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**Abstract:** *To Studies on pH metry by using dihydropyrimidinone has been regarded as a sensitive tool for understanding various effect of dielectric constant of dihydropyrimodinone by evaluating the log k & pk value of 5-ethoxy carbonyl 1-4-(4-methoxy-phenyl)-6 methyl 1,3,4-dihydropyrimidin-2-(1H)- one by keeping ionic strength 0.1M constant at temperature 40<sup>0</sup> C study the dielectric constant. Log k values increased with the increases in percentage of organic solvents. This phenomenon was elucidated by using well characterized films especially prepared for the purpose.*

**Keywords:** Dihydropyrimidinone, Dioxane, DMF, DMSO, Dielectric constant

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