

**AMINO ALKYL AROMATIC COMPOUNDS AS FLUORESCENT pH INDICATORS:  
BASICITY DEPENDENCE ON THE STATE OF EXCITATION  
AND THE AMINE GROUP**

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The ground state basicities of a series of Amino Alkyl Aromatics which are sparingly soluble in aqueous media, have been measured *via* their solubility-pH profiles. The excited state basicities of this same series have been obtained from their fluorescent pH indicator behaviour<sup>1</sup>. It is shown that, in support of our previous contention, these two basicities are nearly identical for both monobasic and dibasic members, though a small statistical correction is necessary in the latter case. The trend, though not the absolute values, of the observed basicities as a function of the amine group can be understood on the basis of conventional substituent effects

*Reference*

1. de Silva, A. P. Rupasinghe, R. A. D. D. and Peiris, S. L. A. (1982). *Proc. Sri Lanka Ass. Advmt. Sci.*, **38** (1), 68.