Aniline Exchange of 2-Aryl-4,5-diphenyl-substituted Isothiazolium Salts

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Dedicated to Professor Dr. Klaus Hafner on the occasion of his 80th birthday

4,5-Diphenyl-substituted $N$-(R1-aryl)-isothiazolium salts 4 react with anilines 2 (R2) to form 4,5-disubstituted $N$-(R2-aryl)-isothiazolium salts 4. The influence of donor and acceptor substituents in the $N$-aryl ring of 4 and in the anilines 2 on the course of the exchange was studied. The structure of the salts 4 was confirmed by a crystal structure determination of 4i.

Key words: 4,5-Diphenyl-isothiazolium Salts, Aniline Exchange