

ABSTRACT

NOVEL SQUARE ESTERAMIDE COMPOUNDS

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In this study, it was obtained that an amino azo dyes synthesized using aniline as the coupling component. The new esteramide (compound II) including a azo group was synthesized from reaction of the amidation-like between this amino azo dyes and diethyl squarate. Also, an esteramide (compound I) bearing N- izopropil amino group was synthesized with reaction of the amidation-like which has missing literature.

Chemical structures of the compounds were determined using spectroscopic methods (FT-IR, ¹H-NMR), and the effects of solvent on their absorption spectra were examined.

Key words: *Azo dye, diethylsquarate, diazotization, spectroscopy*