

ABSTRACT

NOVEL SQUARAMID COMPOUNDS

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In this study, it was obtained that an amino azo dyes (p-aminoazobenzen) synthesized using aniline as the coupling component. The new esteramide (compound 2) including a azo group was synthesized from reaction of the amidation-like between this amino azo dyes and diethyl squarate. Also, an esteramide (compound 1) 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, ¹³C- NMR) and the effects of solvent on their absorption spectra were examined.

Keyword: azo dye, diethyl squarate, diazotization, spectroscopy