

# Electronic Spectral Investigations upon the Photochemical Transformations of Some Substituted 1-(N,N-bisacyl)amino-4,5-diphenyl-1,2,3-triazoles

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The objective of this report is to investigate the steady state and dynamic photophysical and photochemical properties of 1-(N,N-bisacyl)amino-4,5-diphenyl-1,2,3-triazoles in solvents of different polarity at room temperature and in frozen matrix at 77 K. On the basis of the comparison of their UV absorption and luminescence spectra with those of 4,5-diphenyl-1,2,3-triazole and dibenzamide (model compounds), cleavage of the N-N bond in the title compounds after irradiation with polychrome UV light is proved.

*Key words:* 1-(N,N-bisacyl)amino-1,2,3-triazoles; Absorption; Luminescence; UV Irradiation; N-N Bond Cleavage.