

CHARACTERIZATION OF PYRIDINE AND DERIVE COMPLEXES USING TRANSITION METAL COMPLEX INCLUDING Cr

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ABSTRACT

A development of prospective synthetic methods to produce Pyridine including those of complex structure will allow to makes the latter more available and hence Pyridine bases will be widely used in industry. In this paper the Hetrocyclization of Acetylenes with nitriles catalyzed by chromium Complex has been carried out. We have limited our aim to study the chromium catalyzed activation of bifunctional vinyl halide α -Bromoacrylic amides with 1, 3 dienes and alkynes to form an unsaturated butyrolactams. The compounds so obtained is 1.1-(4-Methoxyphenyl)-3(1 phenyl-(E)-methylidene)-2,3,3a,4,5,7a-hexahydro-1H-2-indolone and 1N-(4-Methoxyphenyl)-2-bromo-3-phenyl-(Z)-2-propenamide.

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