

Versatile Variation of Fischer Indolization in Green Synthesis of Nitro Substituted Tetrahydrocarbazole

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Abstract : We wish to report herein a very stimulating variation in Fischer indole reaction by adopting solvent and catalyst free conditions. A concise synthesis of dinitro tetrahydrocarbazole derivative 3 was introduced without the use of any accelerating agent at ambient temperature with fairly good yield. Product was fully corroborated by UV, FTIR, ¹H NMR, ¹³C NMR, MS, and CHN analysis.

Keywords : fischer indole reaction, neutral medium, solvent free synthesis, tetrahydrocarbazole

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