A Facile Synthesis of Quino[2,3-a]carbazoles

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1-Oxo-1,2,3,4-tetrahydrocarbazole, o-Aminoacetophenone Condensation, Cyclisation, Aerial Oxidation

Condensation of 1-oxo-1,2,3,4-tetrahydrocarbazoles 1a-e and o-aminoacetophenone 2 under acid catalysis afforded a new class of quino[2,3-a]carbazoles 3a-e in good yields. A plausible mechanism for the product formation is also proposed.