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## Synthesis of Monoazafluorenone for Potential Use in Latent Fingerprint Detection

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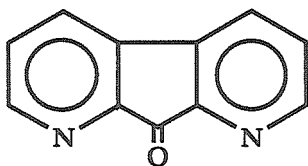
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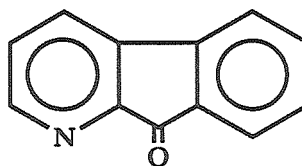
## SYNTHESIS OF MONOAZAFLUORENONE FOR POTENTIAL USE IN LATENT FINGERPRINT DETECTION

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It has recently been reported that the organic compound diazafluorenone (DFO) is a useful agent for the detection of otherwise invisible fingerprints. The usefulness of DFO as a fingerprinting agent stems from its ability to react with amino acids (present in fingerprints) to form a product that fluoresces under ultraviolet light. It seems reasonable that the compound monozazfluorenone (MFO), with a very similar chemical structure, might also display such characteristics.



DFO



MFO

The synthesis and purification of MFO have been attempted by two separate synthetic methods.