

報名代號：

分組編號：(主辦單位填寫)

## Investigation of the Electrophilic Aromatic and Heterocyclic Substitution Reaction

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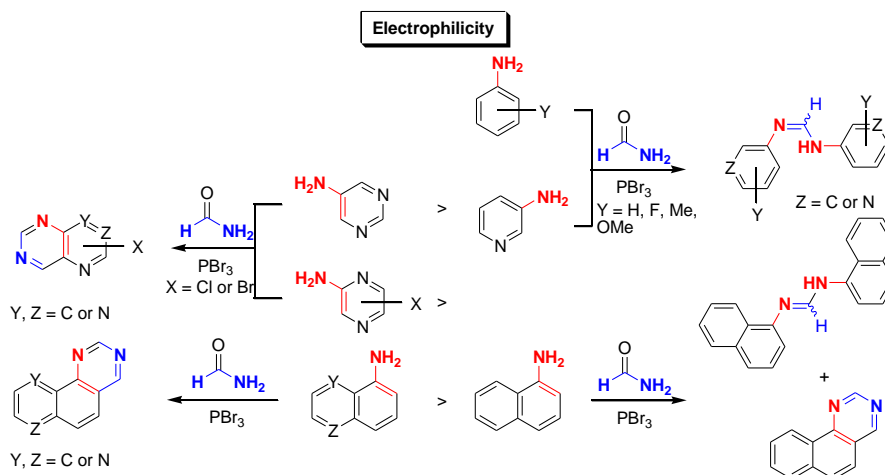
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ABSTRACT: The electrophilic substituted reaction was investigated by using aromatic and heterocyclic substrates, including aminobenzenes, 1-aminonaphthalene, 2-aminopyrazines, 3-aminopyridine, 5-aminoquinoline, and 8-aminoquinoline, with formamide in presence of PBr<sub>3</sub>. Following the experiments result, the reactivity of the reaction was found proportional to the electrophilicity of the aromatic or heterocyclic substrate.



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