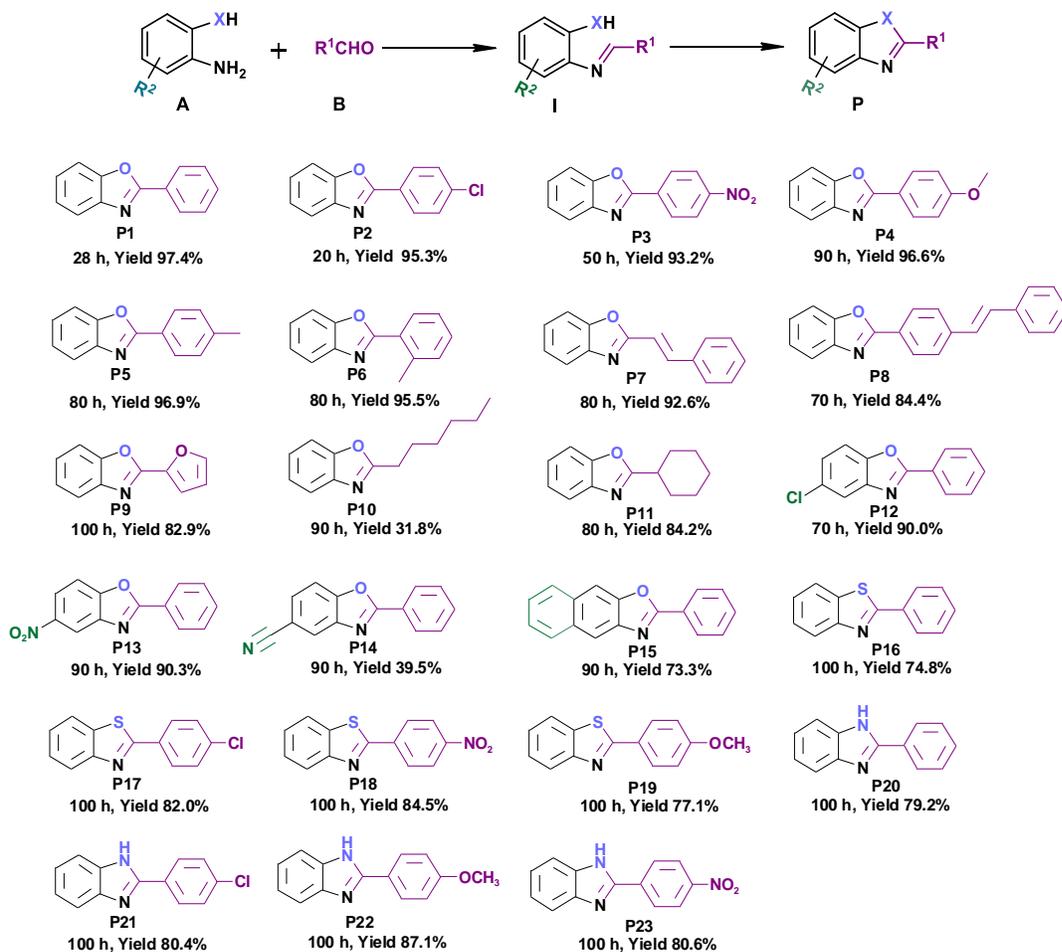


**Table 1** Substrate scope for aerobic synthesis of 2-substituted benzoxazoles, benzothiazoles and benzimidazoles



**Reaction Conditions:** 2 mmol aminophenol, 2.2 mmol benzaldehyde, 10 mL xylene, 120 mg catalyst (NC@ND-900), 140 °C, 1 atm O<sub>2</sub>; Yield of isolated product obtained after recrystallization. The structures of all products were identified by the GC-MS (Fig. S13).