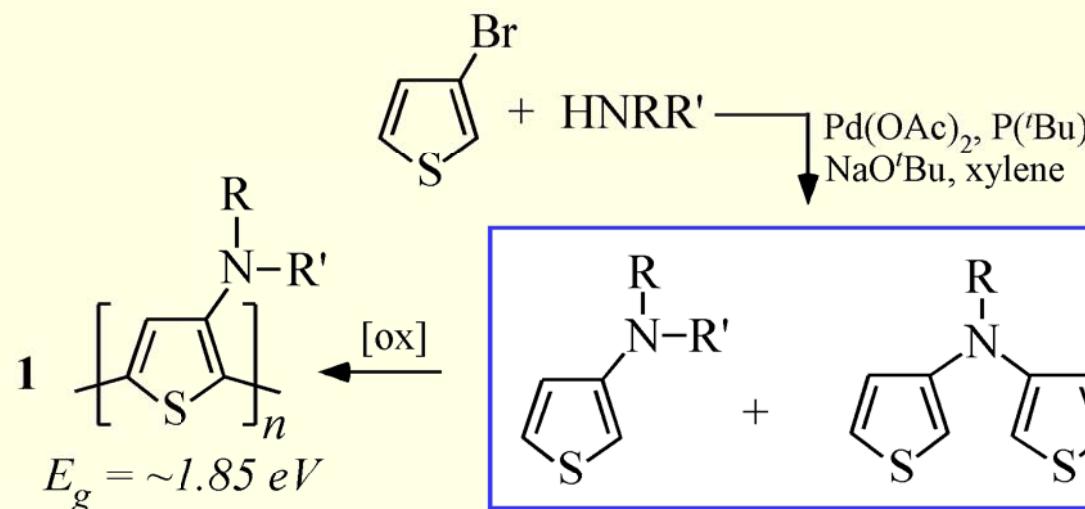


Thiophene Amination Routes to Nitrogen Functionalized Conjugated Polymers

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Catalytic amination of thiophenes allows convenient access to amino-thiophenes and dithieno[3,2-*b*:2'-*c*,3'-*d*]-pyrroles (**DTPs**). These conjugated building blocks then allow access to polyaminothiophenes (**1**), polyDTPs (**2**), and DTP-based oligothiophenes (**3**).

