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Convenient Amination of Weakly Activated Thiophenes, Furans, and Selenophenes in Aqueous Media. — A novel general and facile method for the synthesis of N,N-disubstituted aminofurans, -thiophenes, or -selenophenes is presented involving S_NAr substitution reaction of the corresponding weakly activated bromo analogues with secondary amines in refluxing water. The reaction mechanism is confirmed by several control experiments. — (PRIM, DAMIEN; KIRSCH, GILBERT; Tetrahedron 55 (1999) 21, 6511-6526; Lab. Chim. Org., Groupe Synth. Org. Heterocycl., Univ. Metz, F-57045 Metz, Fr.; EN)