

Synthesis and Some Transformations of 2-(2-Thienyl)naphtho[1,2-*d*]oxazole

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Abstract—Condensation of 1-amino-2-hydroxynaphthalene with thenoyl chloride in 1-methyl-2-pyrrolidinone medium afforded 2-(2-thienyl)naphtho[1,2-*d*]oxazole. The latter was brought into electrophilic substitution reactions like nitration, bromination, sulfonation, formylation, and acylation. The reactions proceeded via electrophilic attack at the 5-position of the thiophene ring, but the nitration and bromination occurred involving both the thiophene and naphthalene fragments.

Keywords: naphthooxazoles, reactivity, electrophilic substitution, bihetaryl compounds

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