

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

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Abstract—The condensation of 2-aminonaphthalen-1-ol with thiophene-2-carbonyl chloride in 1-methylpyrrolidin-2-one gave 2-(2-thienyl)naphtho[2,1-*d*]oxazole which was brought into electrophilic substitution reactions: nitration, bromination, sulfonation, formylation, and acylation. Depending on the conditions, the attack by electrophile was directed at both thiophene ring and naphthalene fragment in the thienylnaphthooxazole molecule.

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