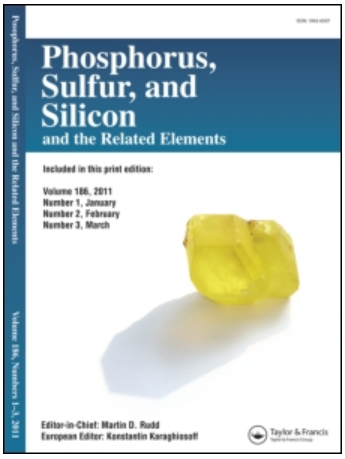

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INVESTIGATION OF THE REACTIVITY OF THIOAMIDES OF SOME SUBSTITUTED AROMATIC AND HETEROCYCLIC ACIDS

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INVESTIGATION OF THE REACTIVITY OF THIOAMIDES OF SOME SUBSTITUTED AROMATIC AND HETEROCYCLIC ACIDS

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Thioamides of some substituted aromatic and heterocyclic acids have been synthesized and the reactivity of the thioamide group has been tested.

By introduction of different substituents into the acid and amino part within the thioamides it has been found that the reactivity of the thioamides group varies depending in the character of the substituent or the movability of the hydrogen atom of the -CS-NH- group change.

For the purpose of performing a reaction of thiation by P_4S_{10} of the amides with free hydroxy and amino groups a previous protection by acetyl,or carbetoxy groups,was carried out.

By using different reagents and by changing the conditions of the reaction a substitution of the S-atom in the CS-group was performed.

In addition a reaction of cyclization was carried out and various heterocyclic thiocompounds were obtained.