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## Synthesis of Amide, Thioamide, and Benzothiazole by using surfur and SiO<sub>2</sub>.

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2-Carbothioic acid amides were respectively synthesized by the treatment of 2,6-lutidine and aniline with surfur. We synthesized 2-carboxylic acid amides, 2-carbothioic acid amides, and benzothiazoles by using surfur and inorganic oxidizing reagent(SiO<sub>2</sub>).

We will research that synthesis of novel amides, thioamides and benzothiazoles, and reaction of 2,6-lutidine and aromatic amines in sealed tube and reflux reaction condition by using surfur and SiO<sub>2</sub>.

And also reactivity of inorganic reagents(SiO<sub>2</sub>, SeO<sub>2</sub>, GeO<sub>2</sub>, TiO<sub>2</sub>) will be studied.

