Reaction of Dimethyl Disulfide with Thiophene Catalyzed by Zeolite

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Abstract—Reaction of dimethyl disulfide with thiophene under the action of highly siliceous zeolite at 180–350°C and contact time 0.6–14 s resulted in formation of thioalkylation products, 2-(methylsulfanyl)- and 2,5-bis(methylsulfanyl)thiophenes and also alkylated derivatives, 2-methyl-, 2,5-dimethyl-, and 2,3,4-trimethylthiophenes.

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