## SYNTHESIS AND REACTIONS OF TRIFLUOROMETHYLTHIOSUBSTITUTED PYRIMIDINES

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5-Trifluoromethylthio-2,4(6)-tri(di)halogeno-substituted pyrimidines have been synthesized by reaction of 5-Trifluoromethylthiosubstituted uracile and barbituric acid with  $POX_3$  (X = Cl, Br). These pyrimidines are good starting materials for further nucleophilic exchange reactions; thus, 5-trifluoromethylthio-2,4(t)-tri(di)fluoro and 5-trifluoromethylthio-2,4(6)-tri(di)jodo compounds are synthesized by reaction with the corresponding alkali halides. In like manner alkoxy-, phenoxy-, anilino-, hydrazinoand amino-derivatives are formed. The latter derivatives can be substituted with Perhalogenomethylthio-functions  $\operatorname{Cl}_{n}F_{3-n}\operatorname{CS}$  or converted into the isocyanates by reaction with oxalylchloride. Furthermore, CF<sub>3</sub>S-functions can be introduced into the pyrimidine ring by Grignard reactions or by using  $CuSCF_3$ . Persubstituted  $CF_3S$ - and  $CF_3S$ --pyrimidines are generated by reacting iodine-containing rings with Hg(SCF3)2 in the presence of an activated copper bronze.