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A New and Convenient Method of Generating Alkyl Isocyanates from Alcohols, Thiols, and Trimethylsilyl Ethers Using a 2,4,6-Trichloro[1,3,5] Triazine/ n -Bu₄NOCN

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 [Keywords](#)
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Abstract: Alkyl isocyanates are prepared in good to excellent yields by treatment of alcohols, thiols, and trimethylsilyl ethers with 2,4,6-trichloro[1,3,5] triazine/ n -Bu₄NOCN in acetonitrile. This method is highly selective for conversion of 1° alcohols to alkyl isocyanates in the presence of 2° and 3° alcohols, thiols, and trimethylsilyl ethers.

Key Words: 2,4,6-Trichloro[1,3,5] triazine (TT), alcohol, thiol, trimethylsilyl ether, alkyl isocyanate



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