

Oxidation of Thioamides to Amides with Tetrachloro- and Tetrabromoglycolurils

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Abstract—Tetrabromo- and tetrachloroglycolurils have been shown to act as good oxidants capable of converting thioamides to the corresponding amides. This approach offers such advantages as good yields (81–99%), short reaction times (10–25 min), simple workup procedure, and environmental safety.

Keywords: amide, glycoluril, oxidation, tetrabromoglycoluril, tetrachloroglycoluril, thioamide, thiohydantoin.

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