Corrigendum

The in situ Generation of Thiazyl Trichloride: A Synthon for C-N-S Heterocycles

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The 14 N n.m.r. spectrum of a solution of (NSCl)₃ and an excess of sulphuryl chloride in chloroform was reported to show a strong signal at -4 p.p.m., attributed to NSCl₃, in addition to peaks at 338 and -262 p.p.m. for NSCl and (NSCl)₃, respectively. In more recent experiments we have observed only the latter two peaks in the 14 N n.m.r. spectra of such solutions over the temperature range 0 to +60 °C using either recrystallized or unrecrystallized (NSCl)₃. Nevertheless, such solutions do behave as though they contain the reagent 'NSCl₃' in reactions with methacrylonitrile or thioacetamide to give 4-cyanoisothiazole or 5-methyl-1,3,2,4-dithiazolium chloride, respectively, as described in the communication.