

Optimization and Gram-scale Preparation of S-Trifluoromethyl- Sulfoximines and Sulfilimino iminiums, Powerful Reagents for the Late Stage Introduction of the CF₃ Group

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Supporting Information

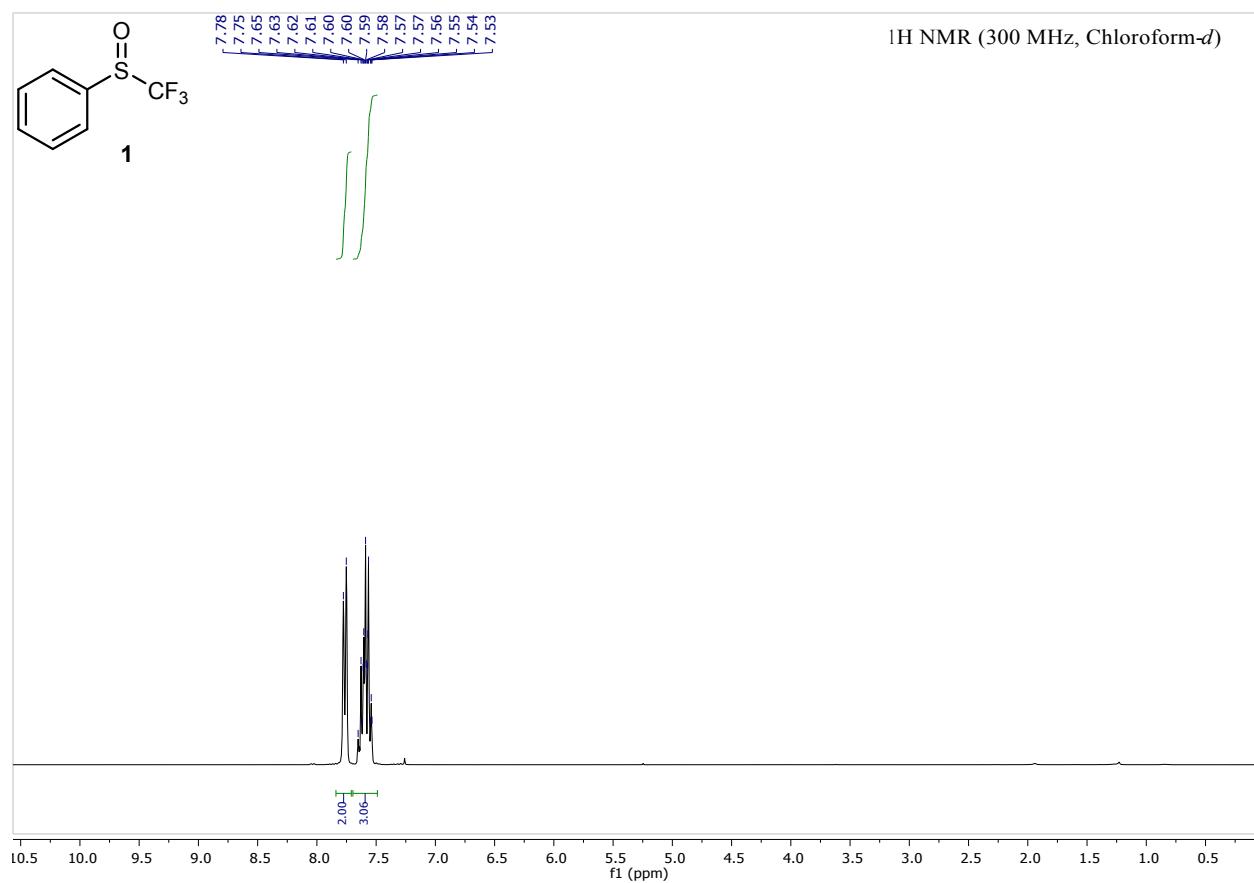
General information

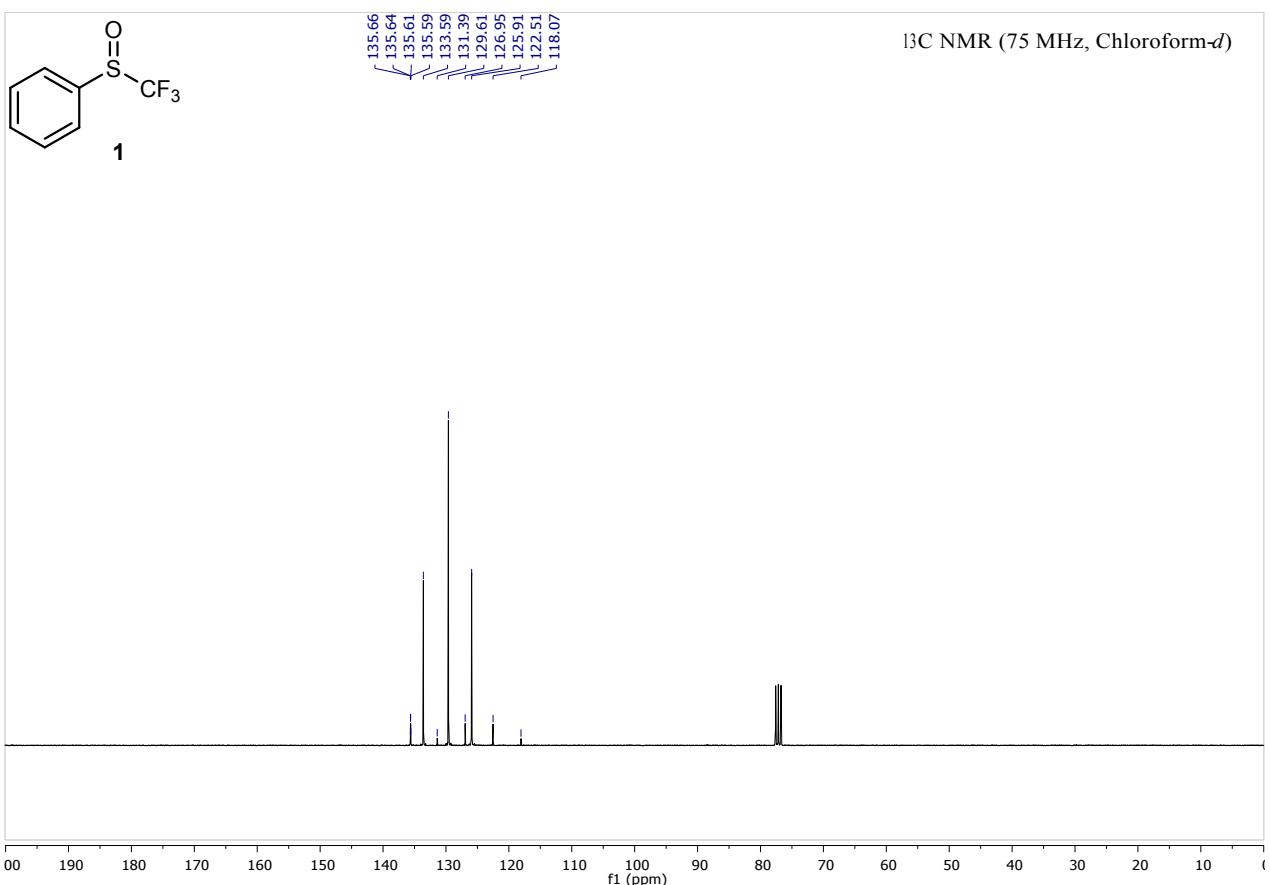
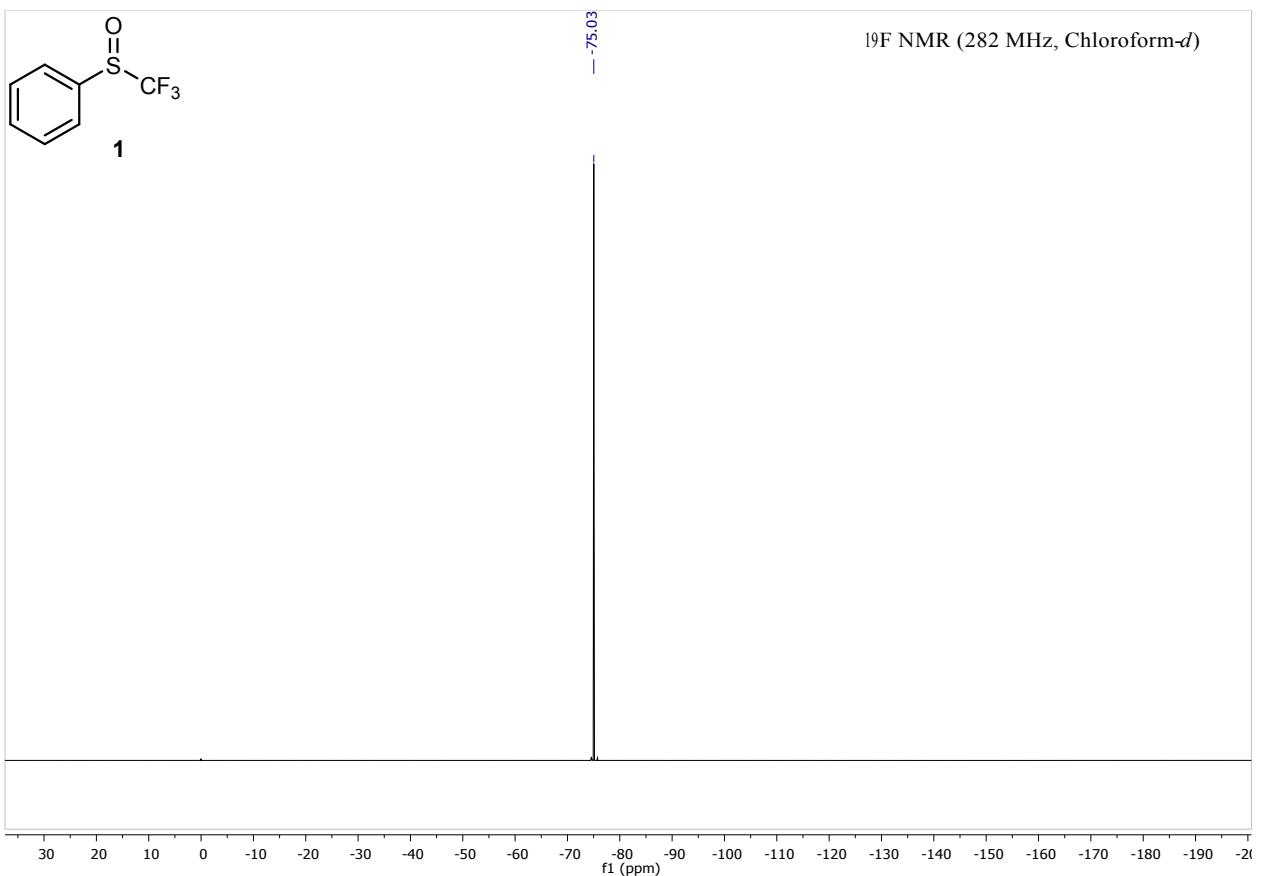
Commercial starting materials and solvents were used without further purification. Nuclear magnetic resonance (¹H NMR, ¹⁹F NMR and ¹³C NMR) spectra were recorded on a Brucker AC-300 spectrometer in CDCl₃. Reported coupling constants and

chemicals shifts were based on a first order analysis. Internal references were the residual peak of CHCl_3 (7.26 ppm) for ^1H (300 MHz) NMR spectra, central peak of CDCl_3 (77.16 ppm) for ^{13}C (75 MHz) NMR spectra, and CFCl_3 (0.00 ppm) as internal reference for ^{19}F (282 MHz) NMR spectra. Multiplicities are indicated as follows: s (singlet), d (doublet), t (triplet), q (quartet), m (multiplet), br (broad).

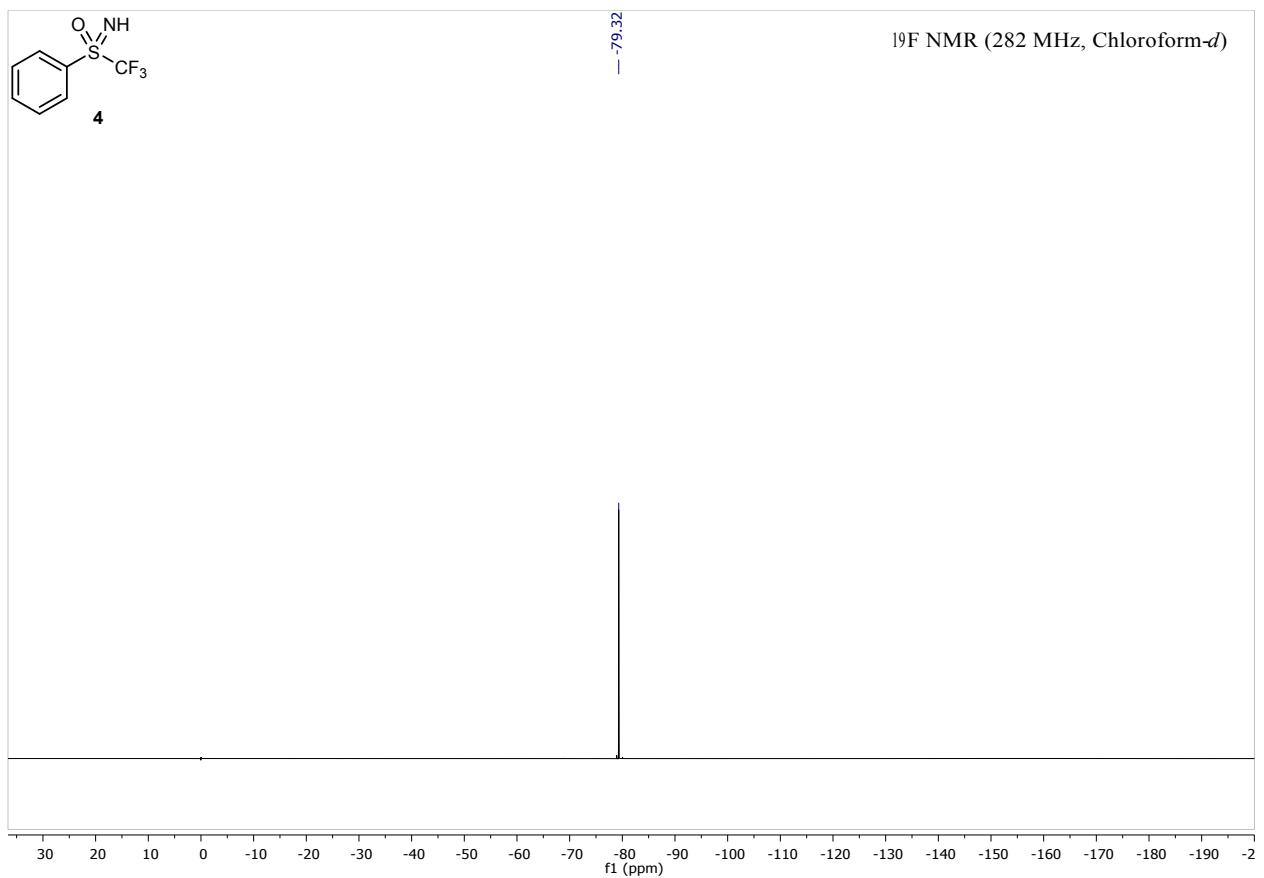
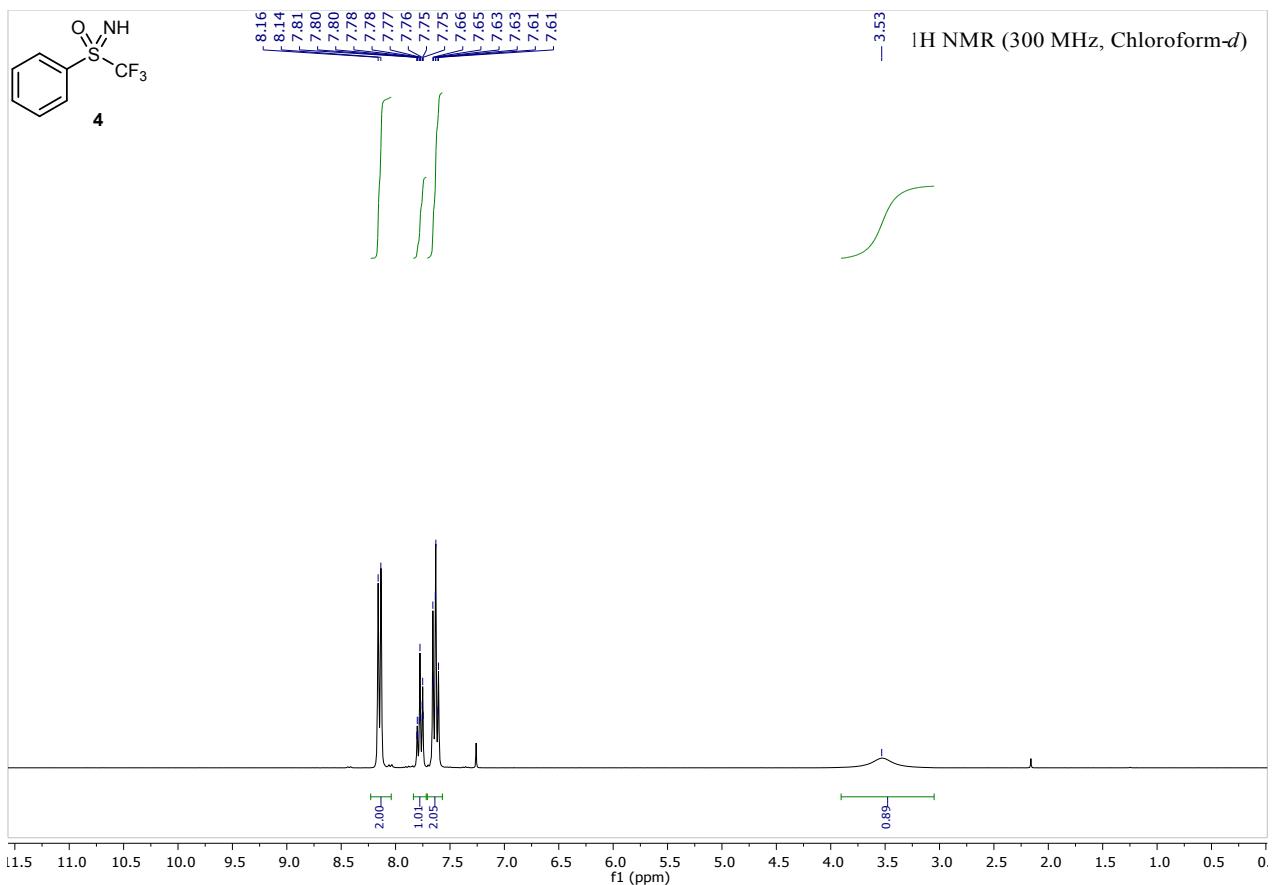
NMR Spectra of the compounds 1, 4 and 5

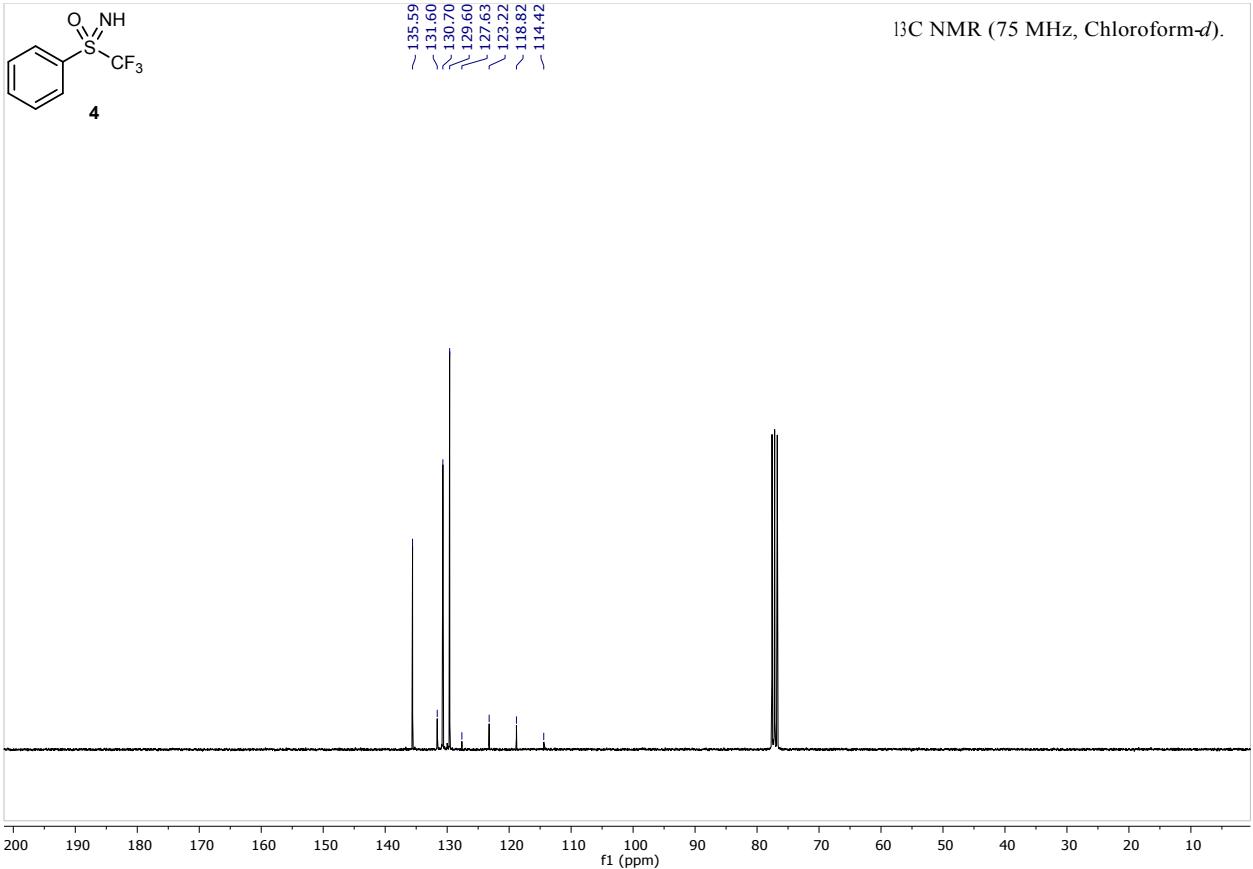
1) NMR spectra of 1





2) NMR spectra of 4





3) NMR spectra of 5

