SUPPORTING INFORMATION

Synthesis and Characterization of Cationic Iodonium Macrocycles

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General Information

All NMR spectra were obtained at room temperature with a Varian XL-300 or VXR-500 spectrometer employing a deuterium sample as an internal lock unless otherwise specified. Fast Atom Bombardment Mass spectra (FAB) were obtained with a Finnigan MAT 95 mass spectrometer employing a Finnigan MAT ICIS II operating system. The electrospray mass spectra (ESI/MS) were obtained with a micromass Quatro II with ionization performed under electrospray conditions (flow rate 7.7 mL/min, capillary voltage 3.0 kV, cone 27 V, extractor 12 V). About 15 individual scans were averaged for the mass spectrum. Elemental analysis was performed by Atlantic Microlab Inc., Norcross, GA

^1H NMR Spectrum of Macrocycle 13a in CD_3OD

Mass spectrum of 13a

^1H NMR Spectrum of Macrocycle 13b in CD_3OD

Mass spectrum of 13b

^1H NMR of Macrocycle 4 in CD_3OD

Mass spectrum of 4

¹H NMR Spectrum of Macrocycle 14 in CDCl₃/DMSO-d₆

Mass spectrum of 14