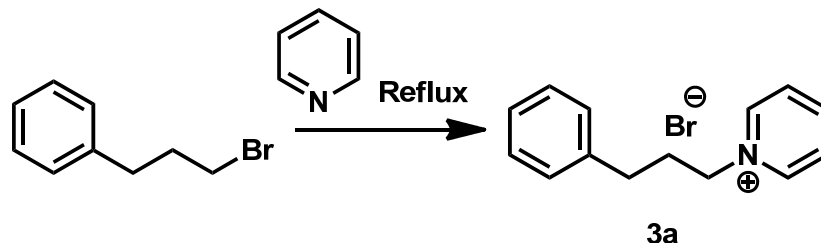


Diols and anions can control the cation- π interaction of a pyridinium boronic acid with a phenyl group connected *via* a Leonard linker

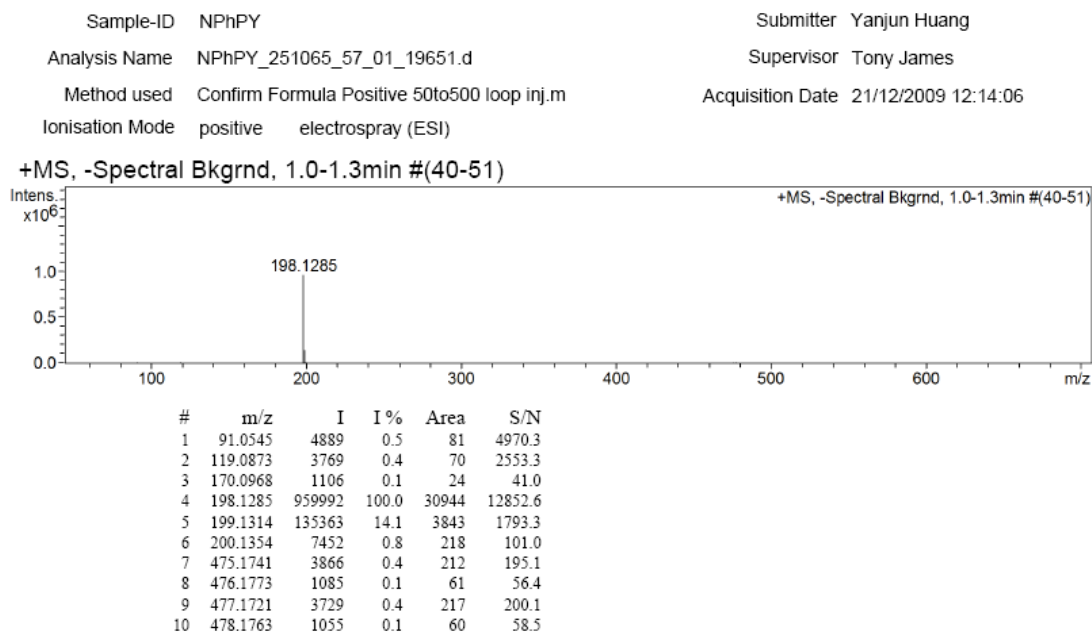
Yan-Jun Huang, Yun-Bao Jiang, Steven D. Bull, John S. Fossey and Tony D. James

Synthetic Procedure:



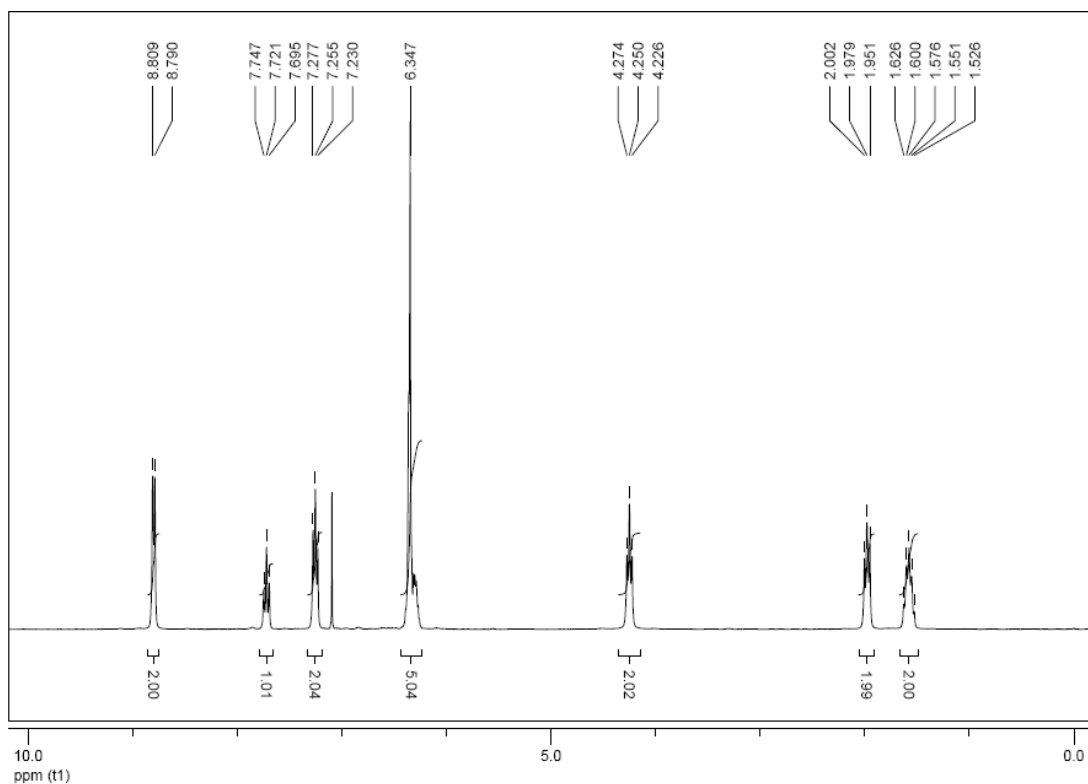
In a small vial of pyridine (3 mL) was added 1-Bromo-3-Phenylpropane (0.99 g, 5 mmol) and was allowed to reflux 24 hours. The pyridine was removed and the mixture placed under high vacuum to give desired product **3a** as an oil (1.39 g, quant).

ESI-MS (m/z): [M⁺] calculated for C₁₄H₁₆N, 198.13; Found 198.13



NMR

^1H NMR (300 MHz, Chloroform-d) δ 8.809 (d, 2H, $J=5.7\text{Hz}$), 7.747 (t, 1H, $J=7.8\text{Hz}$), 7.277 (t, 2H, $J=7.2\text{Hz}$), 6.347 (m, 5H), 4.274 (t, 2H, $J=7.2\text{Hz}$), 2.002 (t, 2H, $J=7.5\text{Hz}$), 1.576 (m, 2H)



^{13}C NMR (300 MHz, Chloroform-d) δ 145.091, 144.481, 139.242, 128.110, 127.941, 127.843, 125.914, 60.587, 32.722, 31.470

