10.1071/CH12085 AC

©CSIRO 2012

Australian Journal of Chemistry 2012, 65(10), 1384-1389

Supplementary Material

Highly sheared anti-parallel dipolar carbonyl···carbonyl interaction in the crystal packing of strapped crown-3-pyromellitimide

Ethan Nam Wei Howe, A Mohan Bhadbhade and Pall Thordarson A,C

^ASchool of Chemistry, The University of New South Wales, Sydney, NSW 2052, Australia

^BAnalytical Centre, The University of New South Wales, Sydney, NSW 2052, Australia

^CCorresponding author. Email: p.thordarson@unsw.edu.au

The cation recognition selectivity of crown-3-pyromellitimide **4** and crown-6-bispyromellitimide **5** was investigated using HR-MS (ESI) recorded on a Thermo Scientific Linear Quadropole Ion Trap with Orbitrap Mass Analyser (LTQ ORBITRAP XL) mass spectrometer. Samples were prepared with 10 mole excess of NaClO₄, KPF₆ and NH₄PF₆ dissolved in a solution of formic acid (0.1% v/v) in acetonitrile (HPLC grade).

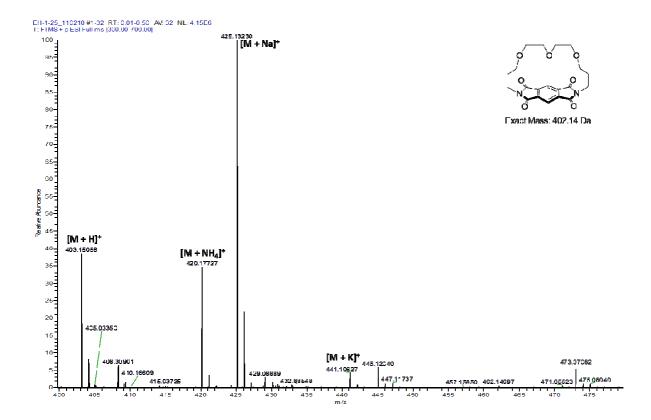


Figure S1. Mass spectrum of strapped crown-3-pyromellitimide **4** showing cation recognition selectivity.

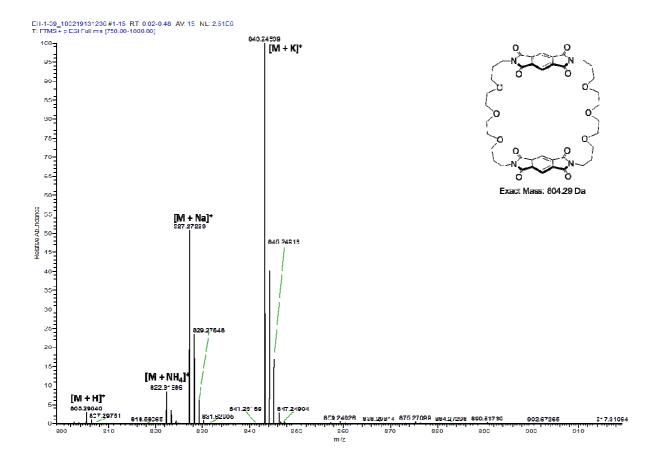


Figure S2. Mass spectrum of macrocyclic crown-6-bispyromellitimide **5** showing cation recognition selectivity.