Supplementary Information

A Conversion of Aromatic Thiocyanates into Sulfothioates: New Synthetic Route to Aromatic Bunte Salts

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¹H NMR and ¹³C NMR spectra of compounds 2a-2l. Fig. S1. and S2. ¹H NMR and ¹³H NMR spectra (DMSO-*d*₆) of sodium *S*-(2-methoxy-4-nitrophenyl) sulfothioate (2a).





Fig. S3. and S4. ¹H NMR and ¹³H NMR spectra (DMSO-*d*₆) of sodium *S*-(4-methyl-2-nitrophenyl) sulfothioate (**2b**).



150 145 140 135 130 125 120 115 110 105 100 95 0 ppm 15 10



Fig. S7. and S8. ¹H NMR and ¹³H NMR spectra (DMSO-*d*₆) of sodium *S*-(4-amino-3-methoxyphenyl) sulfothioate (2d).



Fig. S9. and S10. ¹H NMR and ¹³H NMR spectra (DMSO-*d*₆) of sodium *S*-(3,4-dimethoxyphenyl) sulfothioate (2e).























⁰ ppm 170 165 160 155 150 145 140 135 130 125 120 115 110 105 100













Fig. S28. HR MS spectrum (ESI) of sodium *S*-(4-amino-3-methoxyphenyl) sulfothioate (2d). 280411servis_10-4/28/2011 6:04:49 PM Jansa, LC93



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 Fig. S30. HR MS spectrum (ESI) of sodium S-(4-acetamido-3-methoxyphenyl) sulfothioate (2f).

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 Jansa, LC96



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Fig. S33. HR MS spectrum (ESI) of sodium S-(2,4-diamino-6-chloropyrimidin-5-yl) sulfothioate (2i).010411servis_10-4/1/2011 1:34:47 PMJansa, LC 86





Fig. S35. HR MS spectrum (ESI) of sodium *S*-(2,4-diamino-6-hydroxypyrimidin-5-yl) sulfothioate (2k). 060511servis_3- 5/6/2011 10:07:49 AM Jansa, LC 91



Fig. S36. 1 H and 13 H NMR spectra (DMSO- d_6) of sodium S-(4,6-dimethylpyrimidin-2-yl) sulfothioate (2l).060511servis_4-5/6/2011 10:11:53 AMJansa, LC 100

Fig. S37. UPLCs of conversion of 1c to 2c



Fig. S38. UPLCs of conversion of 1h to 2h

