



## Additions and Corrections

### Synthesis of 2-aryl-4,6-dinitrobenzo[d]isothiazolium from 2,4,6-trinitrotoluene

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In this communication, the following footnote was missed and should be added.

‡ The ISI mass spectra (Finnigan LCQ) of all the compounds synthesised contained a molecular ion peak. <sup>1</sup>H NMR spectra were recorded in [2H<sub>6</sub>]DMSO (δ<sub>TMS</sub>) on a Bruker AM-300 instrument. The yields of the final compounds were calculated with respect to the pure *ortho*-isomer **4**.

2-Phenyl-4,6-dinitrobenzo[d]isothiazolium chloride **6a**: yield 92%, mp 179–180 °C. <sup>1</sup>H NMR, δ: 10.64 (d, 1H, H-7, <sup>4</sup>J 1.9 Hz), 10.51 (s, 1H, H-3), 9.13 (d, 1H, H-5, <sup>4</sup>J 1.9 Hz), 8.06–7.98 (m, 2H, Ph), 7.88–7.76 (m, 3H, Ph). Found (%): Cl, 10.82. Calc. for C<sub>13</sub>H<sub>8</sub>ClN<sub>3</sub>O<sub>4</sub>S (%): Cl, 10.50.

2-(4-Chlorophenyl)-4,6-dinitrobenzo[d]isothiazolium chloride **6b**: yield 85%, mp 188–189 °C. <sup>1</sup>H NMR, δ: 10.59 (d, 1H, H-7, <sup>4</sup>J 1.9 Hz), 10.52 (s, 1H, H-3), 9.16 (d, 1H, H-5, <sup>4</sup>J 1.9 Hz), 8.05 (d, 2H, 4-ClC<sub>6</sub>H<sub>4</sub>, <sup>3</sup>J 7.6 Hz), 7.86 (d, 2H, 4-ClC<sub>6</sub>H<sub>4</sub>, <sup>3</sup>J 7.6 Hz). Found (%): Cl, 19.45. Calc. for C<sub>13</sub>H<sub>7</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>4</sub>S (%): Cl, 19.05.

2-(4-Methoxyphenyl)-4,6-dinitrobenzo[d]isothiazolium chloride **6c**: yield 52%, mp 194–196 °C. <sup>1</sup>H NMR, δ: 10.58 (d, 1H, H-7, <sup>4</sup>J 1.9 Hz), 10.39 (s, 1H, H-3), 9.10 (d, 1H, H-5, <sup>4</sup>J 1.9 Hz), 7.93 (d, 2H, 4-MeOC<sub>6</sub>H<sub>4</sub>, <sup>3</sup>J 8.2 Hz), 7.29 (d, 2H, 4-MeOC<sub>6</sub>H<sub>4</sub>, <sup>3</sup>J 8.2 Hz), 3.91 (s, 3H, MeO). Found (%): Cl, 9.91. Calc. for C<sub>14</sub>H<sub>10</sub>ClN<sub>3</sub>O<sub>5</sub>S (%): Cl, 9.64.

2-(4-Trifluoromethylphenyl)-4,6-dinitrobenzo[d]isothiazolium chloride **6d**: yield 60%, mp 153–155 °C. <sup>1</sup>H NMR, δ: 10.62 (d, 1H, H-7, <sup>4</sup>J 1.9 Hz), 10.56 (s, 1H, H-3), 9.13 (d, 1H, <sup>4</sup>J 1.9 Hz, H-5), 8.28–8.06 (m, 4H, 4-CF<sub>3</sub>C<sub>6</sub>H<sub>4</sub>). Found (%): Cl, 9.02. Calc. for C<sub>14</sub>H<sub>7</sub>ClF<sub>3</sub>N<sub>3</sub>O<sub>4</sub>S (%): Cl, 8.74.

The Mendeleev Communications editorial staff apologises for this error and any consequent inconvenience to authors and readers.

Additions and corrections are included in online version of the original article to which they apply.

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