## The Structure and Tautomerism of Cyameluric Acid\*

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The single crystal X-ray structure of the DMSO solvate of cyameluric acid  $C_6N_7O_3H_3 \cdot 3DMSO$ , **2b**' has been determined. The results show that the most stable tautomer of solid cyameluric acid is the tri-keto form **2b** with  $C_{3h}$  symmetry. <sup>1</sup>H and <sup>13</sup>C NMR data indicate that this isomer is also present in solution, with slow interchange of the N-H protons. This confirms previous theoretical results although almost all derivatives reported in the literature are derivatives of the tri-hydroxy tautomer **2a**.

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