

Synthesis and Structure of a Zwitterionic Imidazolium 1,3-Dioxanide [1]

Norbert Kuhn, Ahmed Al Sheikh, and
Manfred Steimann

Institut für Anorganische Chemie der Universität Tübingen,
Auf der Morgenstelle 18, D-72076 Tübingen

Reprint requests to Prof. Dr. N. Kuhn.
E-mail: norbert.kuhn@uni-tuebingen.de

Z. Naturforsch. **58b**, 817 – 819 (2003);
received May 5, 2003

{Bis(methylthio)methylene}-2,2-dimethyl-4,6-dioxo-1,3-dioxane (**7**) reacts with *cis*-1,2-diamino-1,2-dicyanoethene to give 2,2-dimethyl-4,6-dioxo-5-{2-(4,5-dicyano)}imidazolio-1,3-dioxan-5-yl-imidazolium ylide (**8**) as a stable crystalline solid in good yield. The crystal structure of $\mathbf{8} \times \text{C}_3\text{H}_6\text{OS}$ is discussed.

Key words: Betaines, Heterocycles, Crystal Structure