

Guaninium sulfate monohydrate

Authors

Aouatef Cherouana, Nourredine Benali-Cherif, Lamia Bendjeddou

Publication date

2003/2/1

Journal

Acta Crystallographica Section E: Structure Reports Online

Volume

59

Issue

2

Pages

o180-o182

Publisher

International Union of Crystallography

Description

In the crystal structure of the title compound, $C_5H_7N_5O_2^+ \cdot SO_4^{2-} \cdot H_2O$, the guaninium cation, the sulfate anion and the water molecule form a network of hydrogen bonds. The structure consists of layers of guaninium ions and water molecules parallel to the diagonal of the ac plane, linked by strong hydrogen bonds.