

m-Carboxyphenylammonium nitrate

Authors

Noureddine Benali-Cherif, Aouatef Cherouana, Lamia Bendjeddou, Hocine Merazig, Leulmi Bendheif, Karim Bouchouit

Publication date

2002/2/1

Journal

Acta Crystallographica Section E: Structure Reports Online

Volume

58

Issue

2

Pages

o156-o157

Publisher

International Union of Crystallography

Description

The crystal structure of the title compound, $C_7H_8NO_2^+ \cdot NO_3^-$, consists of anionic and cationic layers linked by a complex three-dimensional hydrogen-bond network. Each cationic layer contains organic groups $(NH_3C_6H_4COOH)^+$, and each anionic layer contains inorganic $(NO_3)^-$. The structure is stabilized by two types of hydrogen-bonding interaction: anion–cation and cation–cation contacts.