

# Darstellung und Kristallstruktur von Triammonium-trisulfimid (NH<sub>4</sub>)<sub>3</sub>(NSO<sub>2</sub>)<sub>3</sub>

Preparation and Crystal Structure of Triammonium-trisulfimid (NH<sub>4</sub>)<sub>3</sub>(NSO<sub>2</sub>)<sub>3</sub>

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Sulfimide, Ammonium, Preparation, Single-Crystal Structure Determination

The preparation and crystal structure of (NH<sub>4</sub>NSO<sub>2</sub>)<sub>3</sub> ( $a = 11.720(2)$ ,  $b = 6.156(6)$ ,  $c = 14.030(2)$  Å,  $\beta = 96.69(8)^\circ$ ) is reported. The structure reveals a chair-conformation of the anions, which are arranged to form a hexagonal rod stacking. Compared to cyclometatriphosphates the cations are coordinated differently due to the different basicities of the bridging nitrogen and oxygen atoms, respectively.