

# Calcium sulfate, anhydrous

Other names:	calcium sulfate calcium sulphate crysalba sulfuric acid calcium salt (1:1) sulfuric acid, calcium salt (1:1) thiolite
Inchi:	InChI=1S/Ca.H2O4S/c;1-5(2,3)4/h;(H2,1,2,3,4)/q+2;/p-2
InchiKey:	OSGAYBCDTRGGQ-UHFFFAOYSA-L
Formula:	CaO4S
SMILES:	O=S1(=O)O[Ca]O1
Mol. weight [g/mol]:	136.14
CAS:	7778-18-9

## Sources

Effects of Aliphatic Alcohols on Solubility, Physicochemical Properties, Effect of Ionic Liquid Additives on the Solubility Behavior and Morphology of Calcium Sulfate in the Binary System and Ternary Systems CaSO<sub>4</sub>-H<sub>2</sub>O with Hydroxyalkyl Ammonium Sulfate in the Ternary Systems CaSO<sub>4</sub>-H<sub>2</sub>O-Quaternary Reciprocal System Ca<sup>2+</sup>, Mg<sup>2+</sup>, SO<sub>4</sub><sup>2-</sup> + H<sub>2</sub>O at 298.15 K: <https://www.doi.org/10.1021/acs.jced.8b00723>

Solid-Liquid Equilibrium of the Quaternary System Ca<sup>2+</sup>, Mg<sup>2+</sup>//SO<sub>4</sub><sup>2-</sup>, SO<sub>4</sub><sup>2-</sup> Conductivity of Electrolytes Found In Natural Waters from (5 to 90) Investigation of Potassium Sulphate - Calcium Sulphate Binary System by Raman Scattering: <https://www.doi.org/10.1021/acs.jced.8b00093>

Solubility Behavior of Calcium Sulfate Dihydrate (CaSO<sub>4</sub>·2H<sub>2</sub>O) and Anhydrous Sulfate System in the Presence of Hydroxyalkyl Ammonium Acetate Ionic Liquids Additives: Morphology Changes and Physicochemical Solution Properties at 35 deg.C: <https://www.doi.org/10.1021/acs.jced.9b00112>

Effect of Ionic Liquid Additives on the Solubility Behavior and Morphology of Calcium Sulfate in the Binary System and Ternary Systems CaSO<sub>4</sub>-H<sub>2</sub>O with Hydroxyalkyl Ammonium Sulfate in the Ternary Systems CaSO<sub>4</sub>-H<sub>2</sub>O-Quaternary Reciprocal System Ca<sup>2+</sup>, Mg<sup>2+</sup>, SO<sub>4</sub><sup>2-</sup> + H<sub>2</sub>O at 298.15 K: <https://www.doi.org/10.1021/acs.jced.5b00454>

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