

Rexar Technical Compound Datasheet

Product Name: Agmatine Sulfate

Chemical Name: (4-Aminobutyl)guanidine sulfate (1:1)

CAS Number: 2482-00-0 (Agmatine sulfate)

PubChem CID: [2794990](#)

Synonyms:

- Agmatine
- 1-Amino-4-guanidinobutane
- Agmatine monohydrogen sulfate
- Agmatine hemisulfate

Chemical Information

Molecular Formula C₅H₁₄N₄·0.5H₂SO₄ (sulfate form)

Molecular Weight ~175.2 g/mol (for sulfate salt)

IUPAC Name (4-aminobutyl)guanidine sulfate (1:1)

SMILES C(CCCN)=NCCCN

InChIKey HHQGJYSKJHBXIC-UHFFFAOYSA-N

Appearance White crystalline powder (sulfate salt)

Solubility Highly soluble in water

Applications

- Analytical reference for guanidine-derived compounds
- Assay and method development in research settings
- Material compatibility and compound interaction studies

Storage & Handling

Storage Temperature 15–25 °C

Environment Store in a dry, dark environment

Handling Use with proper laboratory PPE

Packaging Supplied in sealed laboratory containers

Additional Notes

- Supplied for analytical and research purposes only
- Not intended for food, drug, or cosmetic use
- For structural data, see: [PubChem CID 2794990](#)