

# Agmatine Sulfate

2-(4-aminobutyl)guanidine; sulfuric acid (1:1) | CAS 2482-00-0

## Product identification

|                              |                                                                |
|------------------------------|----------------------------------------------------------------|
| Product name                 | Agmatine Sulfate                                               |
| Chemical name                | 2-(4-aminobutyl)guanidine; sulfuric acid (1:1)                 |
| CAS number                   | 2482-00-0                                                      |
| PubChem CID                  | 2794990                                                        |
| Molecular formula            | C <sub>5</sub> H <sub>16</sub> N <sub>4</sub> O <sub>4</sub> S |
| Molecular weight             | 228.27 g/mol                                                   |
| InChIKey                     | PTAYFGHRDOMJGC-UHFFFAOYSA-N                                    |
| Canonical / reference SMILES | <chem>C(CCN=C(N)N)CN.OS(=O)(=O)O</chem>                        |
| Material type                | Chemical reference material / technical compound               |

## Material description

Agmatine Sulfate is a guanidine sulfate salt supplied by Rexar as a chemical reference material / technical compound. The identity data support laboratory identification, documentation and analytical comparison.

## Intended use

For laboratory, analytical, chemical and method-development applications. Not for human or animal consumption. Not intended for food, supplement, cosmetic, medical, diagnostic or therapeutic use.

## Reference characteristics

|                       |                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------------------|
| Structural class      | Guanidine sulfate salt                                                                                  |
| Typical physical form | Solid / powder                                                                                          |
| Storage guidance      | Keep tightly closed, dry and protected from moisture. Follow lot-specific supplier storage information. |

## Analytical use and traceability

Lot-specific purity, water content, residual solvents and analytical acceptance criteria must be taken from the applicable supplier documentation or certificate of analysis; they are not inferred by this datasheet.

## Safety note

No Rexar-specific CLP classification is assigned here without batch/supplier hazard documentation. Avoid dust exposure and use standard laboratory controls. Consult the applicable Safety Data Sheet before handling.

## Identity verification note

Identity verified against PubChem CID 2794990: CAS 2482-00-0, C<sub>5</sub>H<sub>16</sub>N<sub>4</sub>O<sub>4</sub>S, 228.27 g/mol. The salt record is distinct from free agmatine (CID 199).

## Document control

|          |                                    |
|----------|------------------------------------|
| Document | Rexar Technical Compound Datasheet |
|----------|------------------------------------|

|                 |                                                      |
|-----------------|------------------------------------------------------|
| <b>Revision</b> | 10 September 2026                                    |
| <b>Status</b>   | Reference information; not a certificate of analysis |

## Disclaimer

This document is provided for chemical identification and laboratory reference purposes. It does not certify batch purity or replace lot-specific analytical documentation. Users remain responsible for suitability, regulatory status and safe handling.