

Rexar Technical Compound Datasheet

Product Name: Alpha-GPC

Chemical Name: L-Alpha-glycerylphosphorylcholine

CAS Number: 28319-77-9

PubChem CID: [71920](#)

Synonyms:

- Alpha-Glycerylphosphorylcholine
- Choline alfoscerate
- GPC
- L-alpha-GPC

Chemical Information

Molecular Formula C8H20NO6P

Molecular Weight 257.22 g/mol

IUPAC Name 2-(Hydroxy(methyl)phosphoryl)oxyethyl 2-trimethylazaniumylethyl phosphate

SMILES CN+(C)CCOP(=O)(OCC(O)CO)O

InChIKey XIQXQYOEDGBWFF-UHFFFAOYSA-O

Appearance White hygroscopic powder

Solubility Freely soluble in water

Applications

- Analytical reference for choline-derived compounds
- Used in research on phospholipid metabolism and choline pathways
- Standard in chromatographic and spectrometric method validation
- Suitable for use in controlled laboratory analysis and synthesis

Storage & Handling

Storage Temperature Store at 2–8 °C, protected from moisture

Handling Handle with gloves and lab-grade protection

Packaging Sealed in moisture-resistant containers for lab use

Additional Notes

- Provided strictly for laboratory and research use
- Not for human or veterinary consumption
- More details available at [PubChem CID 71920](#)