

## 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

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### Chemical Information

<b>Molecular Formula</b>	C <sub>8</sub> H <sub>20</sub> NO <sub>6</sub> P
<b>Molecular Weight</b>	257.22 g/mol
<b>IUPAC Name</b>	2-(Hydroxy(methyl)phosphoryl)oxyethyl 2-trimethylazaniumylethyl phosphate
<b>SMILES</b>	<a href="#">CN+</a> (C)CCOP(=O)(OCC(O)CO)O
<b>InChIKey</b>	XIQXQYOEDGBWFF-UHFFFAOYSA-O
<b>Appearance</b>	White hygroscopic powder
<b>Solubility</b>	Freely soluble in water

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### 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

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### Storage & Handling

<b>Storage Temperature</b>	Store at 2–8 °C, protected from moisture
<b>Handling</b>	Handle with gloves and lab-grade protection
<b>Packaging</b>	Sealed in moisture-resistant containers for lab use

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### Additional Notes

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