

Alpha GPC

[(2R)-2,3-dihydroxypropyl] 2-(trimethylazaniumyl)ethyl phosphate | CAS 28319-77-9

Product identification

Product name	Alpha GPC
Chemical name	[(2R)-2,3-dihydroxypropyl] 2-(trimethylazaniumyl)ethyl phosphate
CAS number	28319-77-9
PubChem CID	657272
Molecular formula	C ₈ H ₂₀ NO ₆ P
Molecular weight	257.22 g/mol
InChIKey	SUHOQUVVVLNYQR-MRVPVSSYSA-N
Canonical / reference SMILES	[O-]P(=O)(OC[C@H](O)CO)OCC[N+](C)(C)C
Material type	Chemical reference material / technical compound

Material description

Alpha GPC is a zwitterionic glycerophosphocholine derivative 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	Zwitterionic glycerophosphocholine derivative
Typical physical form	Hygroscopic solid / powder
Storage guidance	Keep tightly closed and dry. Protect from atmospheric moisture; use lot-specific supplier storage instructions.

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 harmonised classification is asserted in this Rexar document. Because the material is hygroscopic and toxicological information may be supplier-specific, minimise dust and follow normal laboratory PPE controls. Consult the applicable Safety Data Sheet before handling.

Identity verification note

Identity cross-checked for the defined L-alpha-GPC stereoisomer: CAS 28319-77-9, PubChem CID 657272, C₈H₂₀NO₆P, 257.22 g/mol and stereospecific InChIKey SUHOQUVVVLNYQR-MRVPVSSYSA-N.

Document control

Document	Rexar Technical Compound Datasheet
Revision	10 September 2026
Status	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.