



# CERTIFICATE OF ANALYSIS

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## 1. Identification

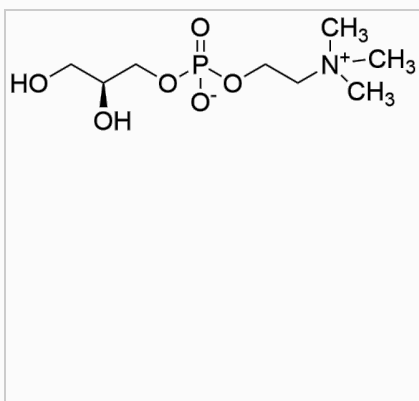
**Catalogue Number:** G598700

**CAS Number:** 28319-77-9

**Synonym:** 2-[[[(2R)-2,3-Dihydroxypropoxy]hydroxyphosphinyl]oxy]-N,N,N-trimethylethanaminium Inner Salt; Brezal; Cereton; Cholicerin; Choline Alfoscerate; Cholitiline; Delect; Glycerylphosphocholine; Glycerylphosphorylcholine; L-α-GPC; L-α-Glycerophosphocholine; L-α-Glycerophosphorylcholine; L-α-Glycerylphosphorylcholine; O-(sn-glycero-3-Phosphoryl)choline; Sn-Glycerophosphocholine; sn-Glycero-3-phosphorylcholine; sn-glycero-3-phosphocholine; α-Glycerophosphorylcholine; α-Glycerylphosphorylcholine;

**Product:** sn-Glycero-3-phosphocholine

**Structure:**



**Molecular Formula:**

C<sub>8</sub>H<sub>20</sub>NO<sub>6</sub>P

**Molecular weight:**

257.22

**Source of Product:**

Synthetic

**Solubility:**

DMSO (Slightly, Heated, Sonicated), Methanol (Sparingly), Water (Sparingly)

**Lot Number:** 1-ISJ-42-4

**Purity:** 96%

**Shipping Condition:** This Product Is Stable To Be Shipped At Room Temperature With Dry Pack

**Storage Condition:** -20°C

## 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

## 3. Analytical Information

Tests:	Specifications:	Results:
Water Content	Report Result	4.5% by Karl Fischer
Appearance	White to Off-White Solid	Off-White Solid
NMR	Conforms to Structure	Conforms
P NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 35.89, %H: 7.87, %N: 5.12
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-2.3° (c = 1.3, Water)
HPLC Purity	Report Result	96.22% (ELSD)

**Additional Information:** N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of  $\pm 2\%$ . Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

**4. Signatures**

<b>Reviewed By</b>	<b>Reviewed By</b>	<b>C of A Approved By</b>	<b>Test Date</b>	<b>Retest Date</b>
Evan Burns	Toni Rantanen	Chanell Chu	11/16/2021	11/14/2025
				