



CERTIFICATE OF ANALYSIS

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1. Identification

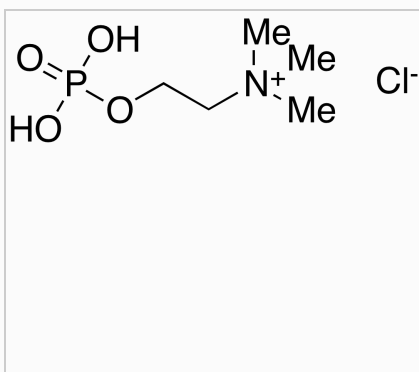
Catalogue Number: P354508

CAS Number: 107-73-3

Product: Phosphocholine

Synonym: Phosphocholine Chloride; Phosphorylcholine; Phosphorylcholine Chloride; Phosphorylcholine Hydrochloride; Choline Phosphate; Choline Phosphate Chloride; Choline Phosphochloride; N,N,N-trimethyl-2-(phosphonoxy)ethanaminium Chloride;

Structure:



Molecular Formula:

C₅H₁₅ClNO₄P

Molecular weight:

219.6

Source of Product:

N/A

Solubility:

Methanol (Slightly), Water (Slightly)

Lot Number: 711900796-1-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
P NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 27.34, %H: 6.76, %N: 6.31
HPLC Purity	Report Result	99.95% (ELSD)
MS	Conforms to Structure	Conforms
Chloride Content	Report Result	15.2%

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 ± 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

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	Christina Gouliaras	11/23/2023	11/21/2027