



CERTIFICATE OF ANALYSIS

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1. Identification

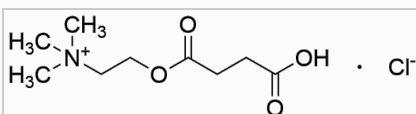
Catalogue Number: B594105

CAS Number: 5297-17-6

Product: {2-[(3-Carboxypropanoyl)oxy]ethyl}trimethylazanium Chloride

Synonym: Succinic Acid, Monoester With Choline Chloride; Succinyl Monocholine Chloride; [2-[(3-Carboxypropanoyl)oxy]ethyl]trimethylazanium Chloride

Structure:



Molecular Formula:

C₉H₁₈NO₄ • Cl

Molecular weight:

239.69 + (35.45)

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly), Water (Slightly)

Lot Number: 3-HAB-68-1

Purity: 98%

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

Storage Condition: -20°C, Hygroscopic

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
Elemental Analysis	Conforms	%C: 45.23, %H: 7.73, %N: 5.79
MS	Conforms to Structure	Conforms
Chloride Content	Report Result	15.25% by Ion Chromatography
HPLC Purity	Report Result	100.00% (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 ± 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
Meenakshi Sharma

Reviewed By
Toni Rantanen

C of A Approved By Test Date
Chanell Chu 3/10/2022

Retest Date
3/8/2026