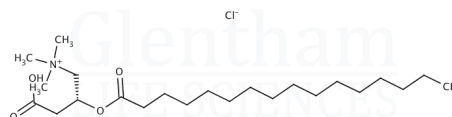


Certificate of Analysis

Product Name	Palmitoyl-L-carnitine chloride
Glentham Code	GK6072
CAS Number	18877-64-0
EINECS	242-642-6
MDL Number	MFCD00070346
PubChem SID	310278482
Batch Number	286EKS

Molecular Weight	436.07
Molecular Formula	$C_{23}H_{46}NO_4 \cdot Cl$
Storage Temp.	-20°C



Property	Specification	Batch 286EKS
Physical Description	White to off-white crystalline powder or solid	White crystalline powder
Identification (1H-NMR)	To conform to standard	Conforms
Specific Optical Rotation	-8.0 - -12.0 ° (C=0.4, water)	-10.1 °
Purity (HPLC)	≥ 95.0%	95.5%

Specification Version	v1.0
Manufacture Date	2017-11-15
Re-Test Date	2028-11-26

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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