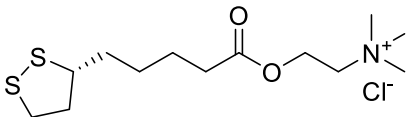




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
529814	Alpha-Lipoic Acid Choline Ester	A20K04B17

Chemical name	
(R)-2-((5-(1,2-dithiolan-3-yl)pentanoyl)oxy)-N,N,N-trimethylethan-1-aminium chloride	
Synonyms	
EV-06; EV06; EV 06; alpha-LACE; alphaLACE; alpha LACE; UNR844; UNR-844; UNR 844; Alpha-Lipoic Acid Choline Ester	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 529814 Name: Alpha-Lipoic Acid Choline Ester CAS#: 1808266-58-1 (chloride) Lot#: A20K04B17 Chemical Formula: C ₁₃ H ₂₆ ClNO ₂ S ₂ Molecular Weight: 327.93

Analysis item	Specifications / Results
Appearance	Pale yellow solid powder (<i>Note: this product is highly hygroscopic, may become semisolid or waxy solid, which would not impact the quality.</i>)
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>98.0%
Solubility	Soluble in water, DMSO
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE