

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-26 17:05:57

Date of Next Testing: 2026-05-25 17:05:57

Product Name: **3-hydroxy-7,12-diketocholanoic acid**

CAS Number: 517-33-9

Specifications & Purity: $\geq 98\%$

Lot #: E23231134

SKU #: **H336519**

Version: **1**

Analysis #: **224567**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	100.00000 %
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ MeOH})$	32.1-35.1 ($^{\circ}$)	33.82000 $^{\circ}$
Appearance(H336519)	White to Off-White Solid	White to off-white solid
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager