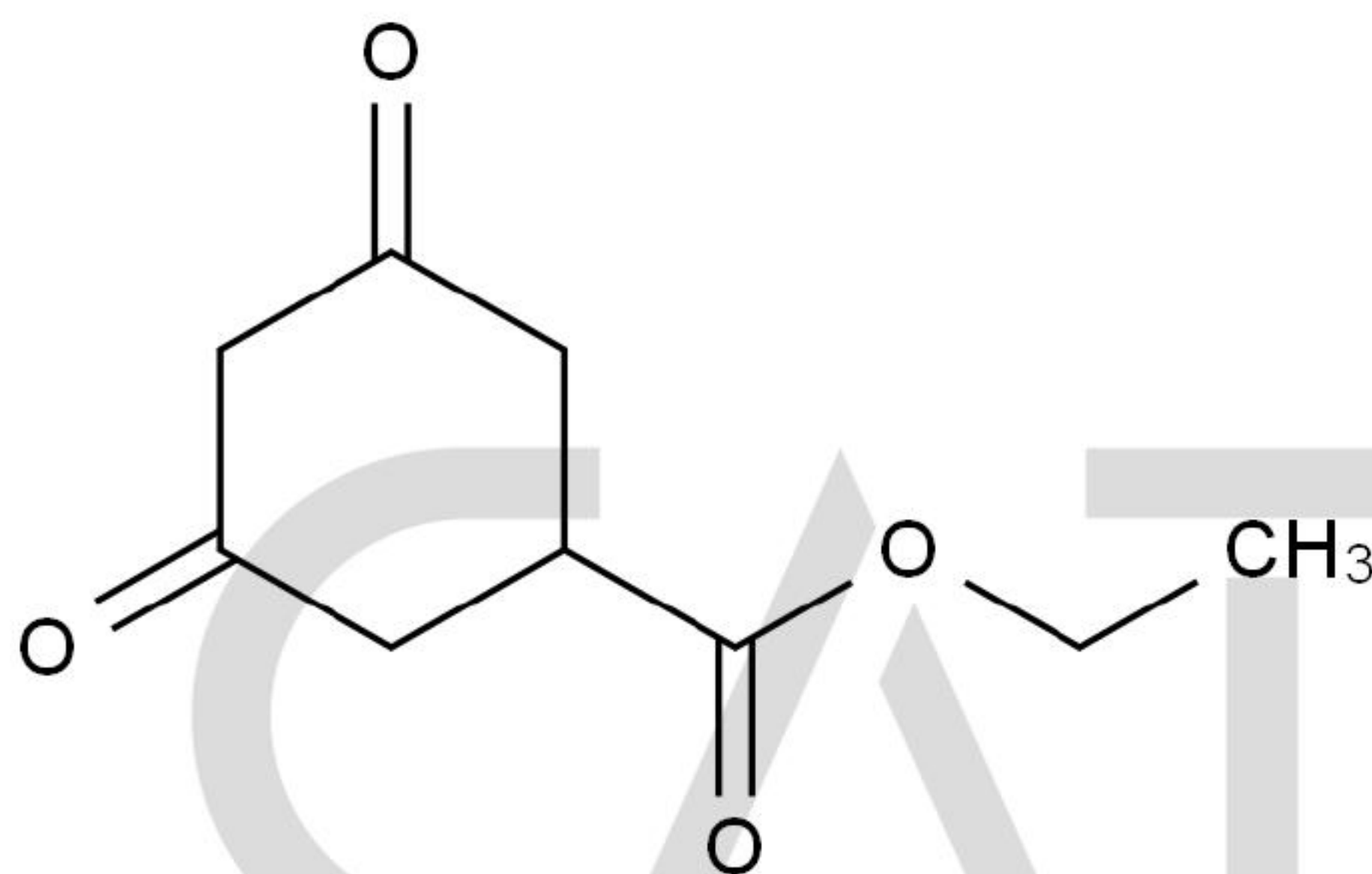


Certificate of Analysis

Reference Material & Standard

Product Name:	3,5-Dioxocyclohexanecarboxylic Acid Ethyl Ester	Catalogue Number:	CCHM704231
Synonyms:	N/A	Lot Number:	0707-RG-0149
CAS Number:	27513-35-5	Expiry Date:	Jul 16, 2029
Molecular Formula:	C ₉ H ₁₂ O ₄	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	184.19		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	100.0%
Assay	qNMR	99.6%
Uncertainty		±0.1%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jul 17, 2025

Date: Jul 17, 2025

Date: Jul 17, 2025

