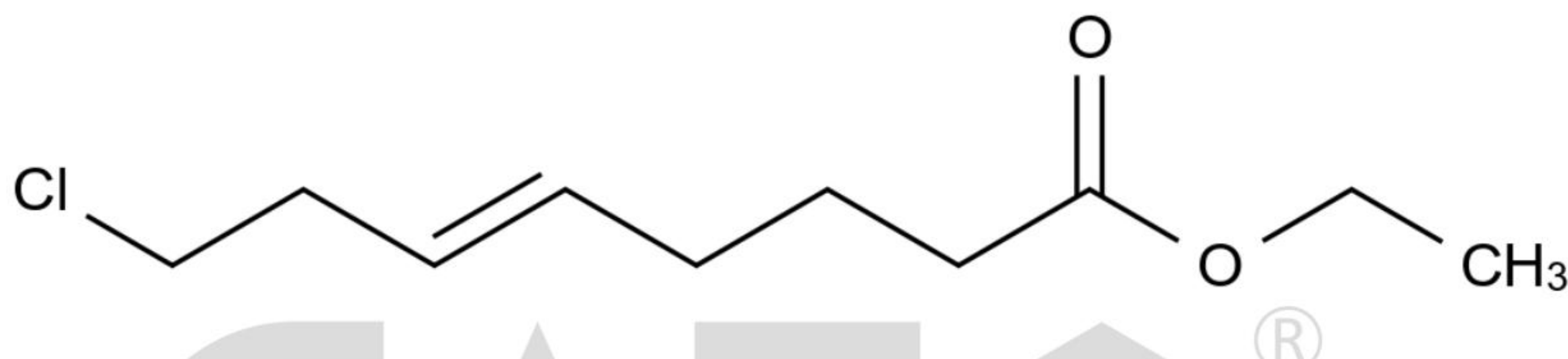


Certificate of Analysis

Reference Material & Standard

Product Name:	Thioctic acid impurity 57	Catalogue Number:	C4X-152657
Synonyms:	N/A	Lot Number:	0815-RG-0050
CAS Number:	N/A	Expiry Date:	Apr 15, 2028
Molecular Formula:	C ₁₀ H ₁₇ ClO ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	204.69		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Oil
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.5%
Assay	qNMR	96.9%

CATO Research Chemicals Inc.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Aug 15, 2025

Date: Aug 18, 2025

Date: Aug 18, 2025

