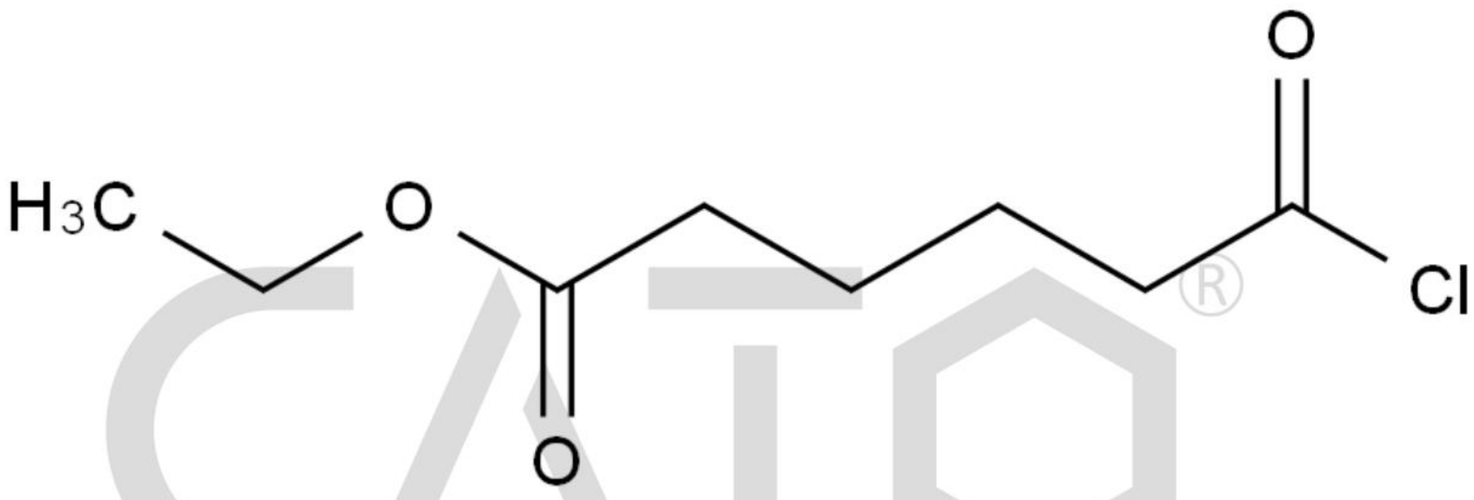
Certificate of Analysis

Reference Material & Standard

Product Name:	Thioctic Acid Impurity 11	**Catalogue Number:**	C4X-151811
Synonyms:	N/A	**Lot Number:**	0713-RH-0054
CAS Number:	1071-71-2	**Expiry Date:**	Jul 15, 2028
Molecular Formula:	$C_8H_{13}ClO_3$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	192.64	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colorless Liquid
Identification	GCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	GC	97.3%
Assay	qNMR	96.3%

CATO Research Chemicals Inc.

Signature:

Prepared by: Alice Date: Oct 23, 2026

Reviewed by: Koi Date: Oct 23, 2026

Approved by General Manager: David Date: Oct 23, 2026

CATO Research Chemicals Inc.