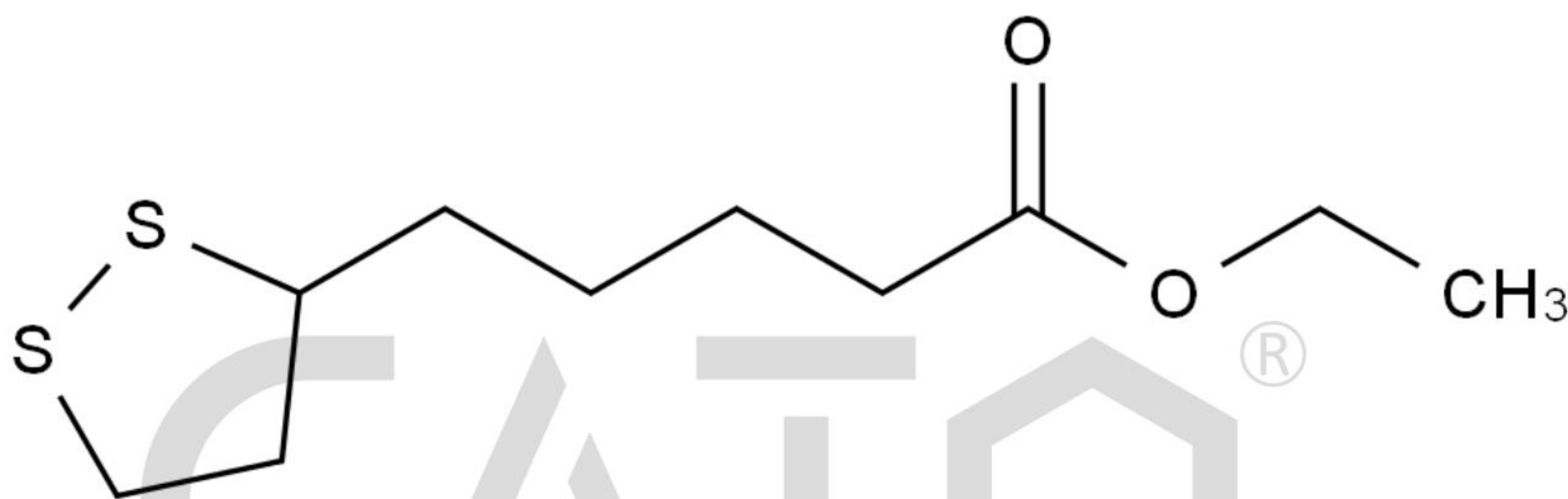


Certificate of Analysis

Reference Material & Standard

Product Name:	Thioctic Acid ethyl ester	Catalogue Number:	C4X-151814
Synonyms:	N/A	Lot Number:	0124-RG-0033
CAS Number:	46353-61-1	Expiry Date:	Jan 23, 2027
Molecular Formula:	C ₁₀ H ₁₈ O ₂ S ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	234.38		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Oil
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.1%
Assay	qNMR	98.6%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Feb 08, 2025

Date: Feb 08, 2025

Date: Feb 08, 2025

