

Certificate of Analysis

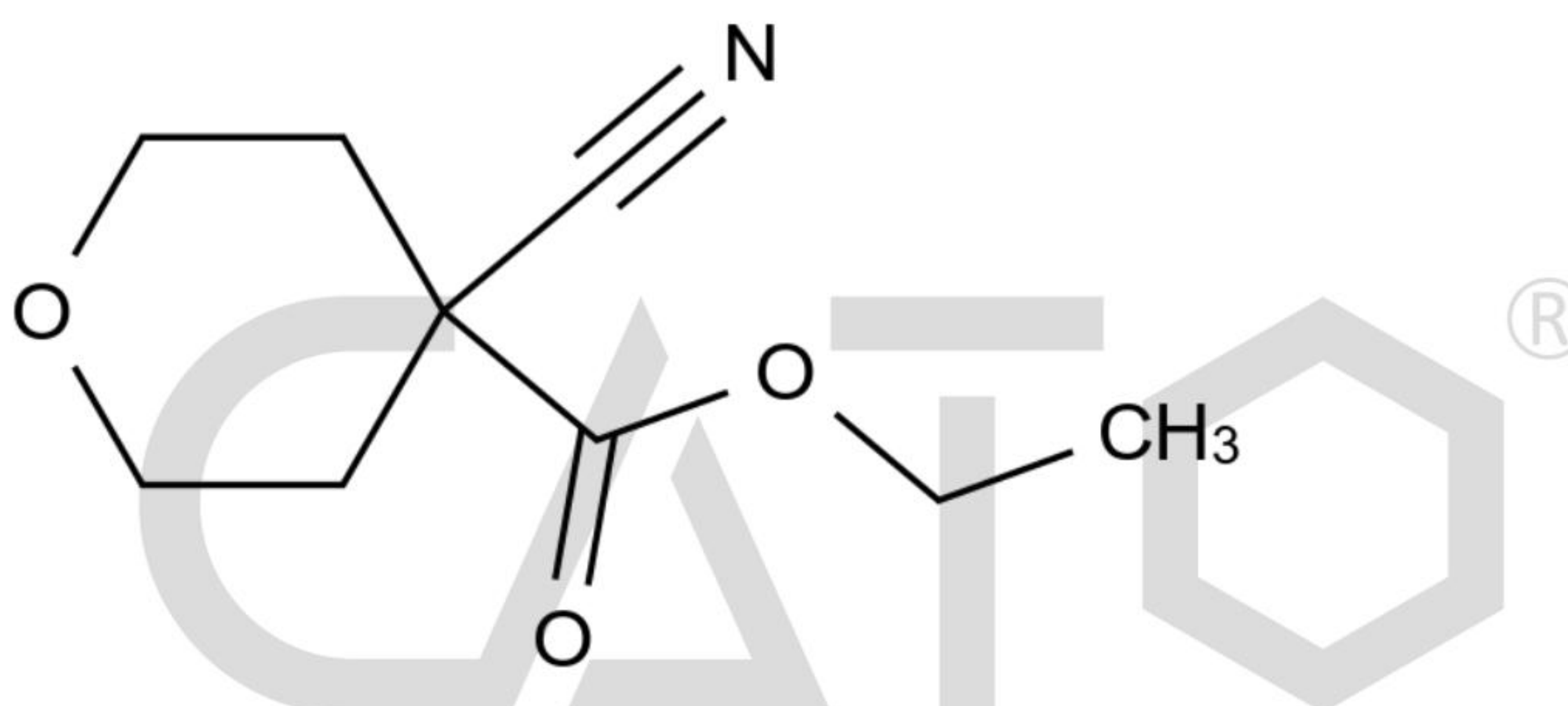
Reference Material & Standard

Product Name:	Ethyl 4-cyanooxane-4-carboxylate	Catalogue Number:	C1818358
Synonyms:	N/A	Lot Number:	0611-RH-0080
CAS Number:	30431-99-3	Expiry Date:	Jun 14, 2030
Molecular Formula:	C ₉ H ₁₃ NO ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	183.20	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&CNMR&HNMR	Confirmed
Purity	GC	100.000%
Water Content	Karl Fischer	0.6471%
Assay		99.4%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content) * Purity GC (%) / 100%

Water Content is considered as absolute effect, GC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jun 15, 2026

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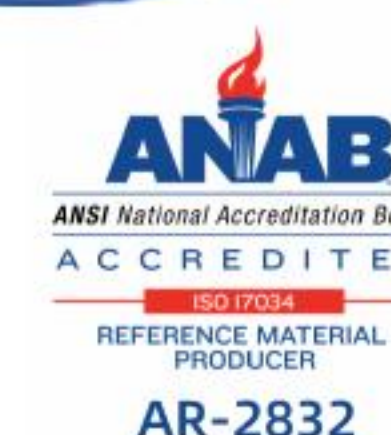
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