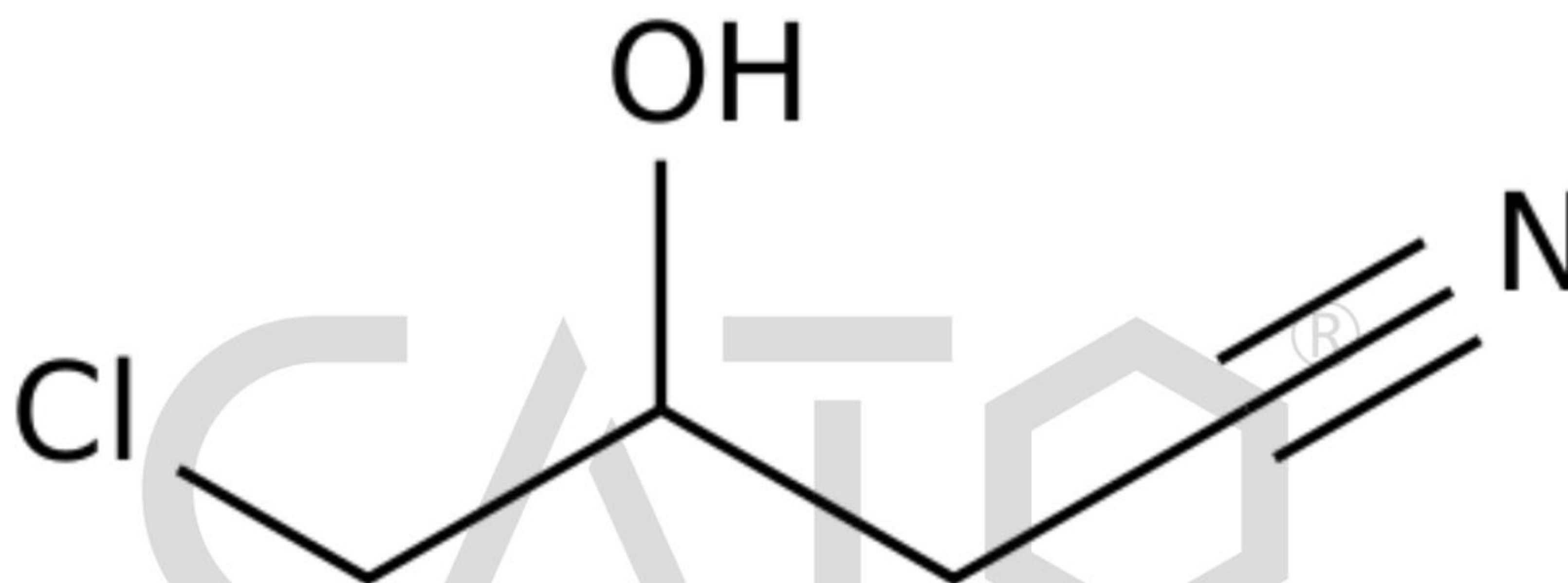


Certificate of Analysis

Reference Material & Standard

Product Name:	Levocarnitine Impurity 16	Catalogue Number:	C4X-129216
Synonyms:	4-Chloro-3-hydroxybutanenitrile	Lot Number:	0109-RF-0064
CAS Number:	105-33-9	Expiry Date:	Jun 28, 2030
Molecular Formula:	C ₄ H ₆ ClNO	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	119.55	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Purity	GC	99.782%
Water Content	Karl Fischer	0.2899%
Assay		99.5%

Comment:

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

$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity GC (\%)} / 100\%$

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

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jun 29, 2026

Date: Jun 29, 2026

Date: Jun 29, 2026



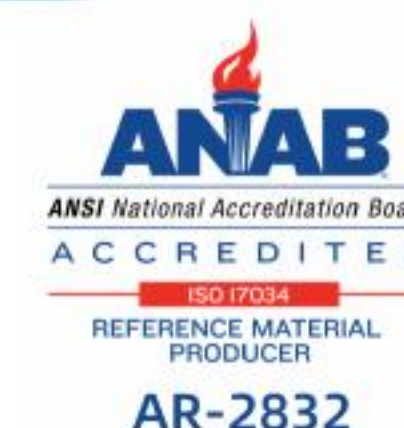
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