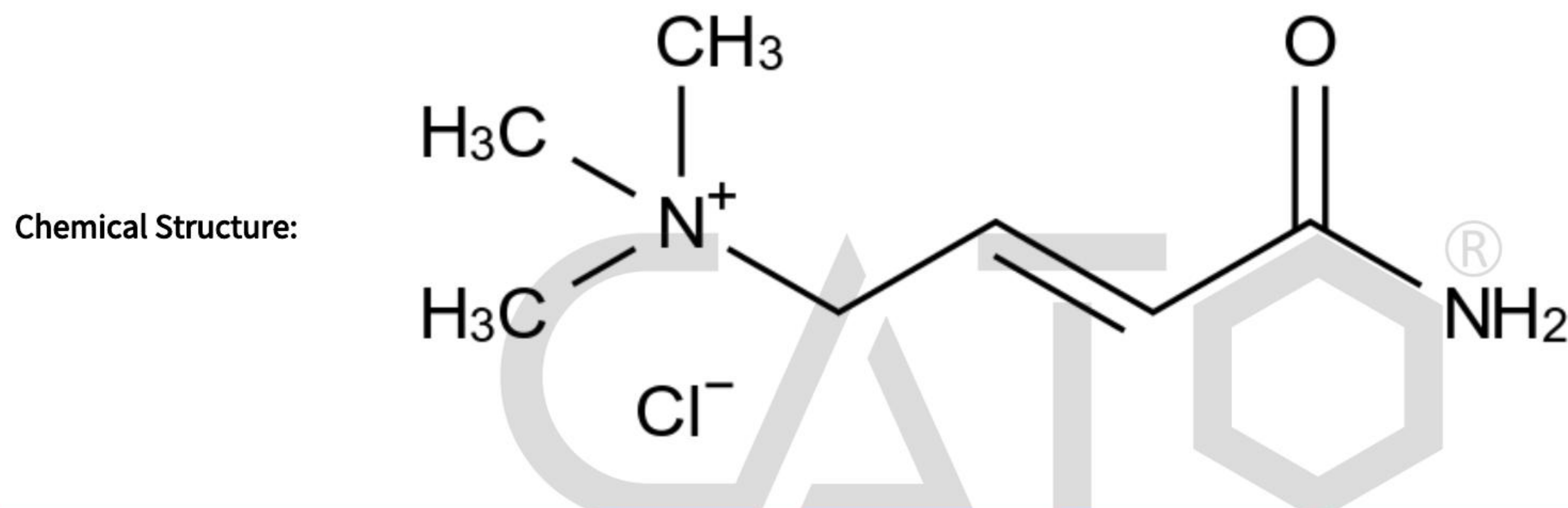


Certificate of Analysis

Reference Material & Standard

Product Name:	Levocarnitine EP Impurity D	Catalogue Number:	C4X-129222
Synonyms:	N/A	Lot Number:	0226-RG-0060
CAS Number:	N/A	Expiry Date:	Feb 25, 2028
Molecular Formula:	C ₇ H ₁₅ N ₂ O Cl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	143.21 35.45	Shipping Condition:	Shipping at Room Temperature



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.790%
Residue on Ignition	TGA	2.0222%
Loss on Drying	TGA	3.0014%
Assay		94.8%

Comment:

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

Assay (%) = (100% - Residue on Ignition - Loss on Drying) * Purity HPLC (%) / 100%

Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Mar 04, 2025

Date: Mar 04, 2025

Date: Mar 04, 2025



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

