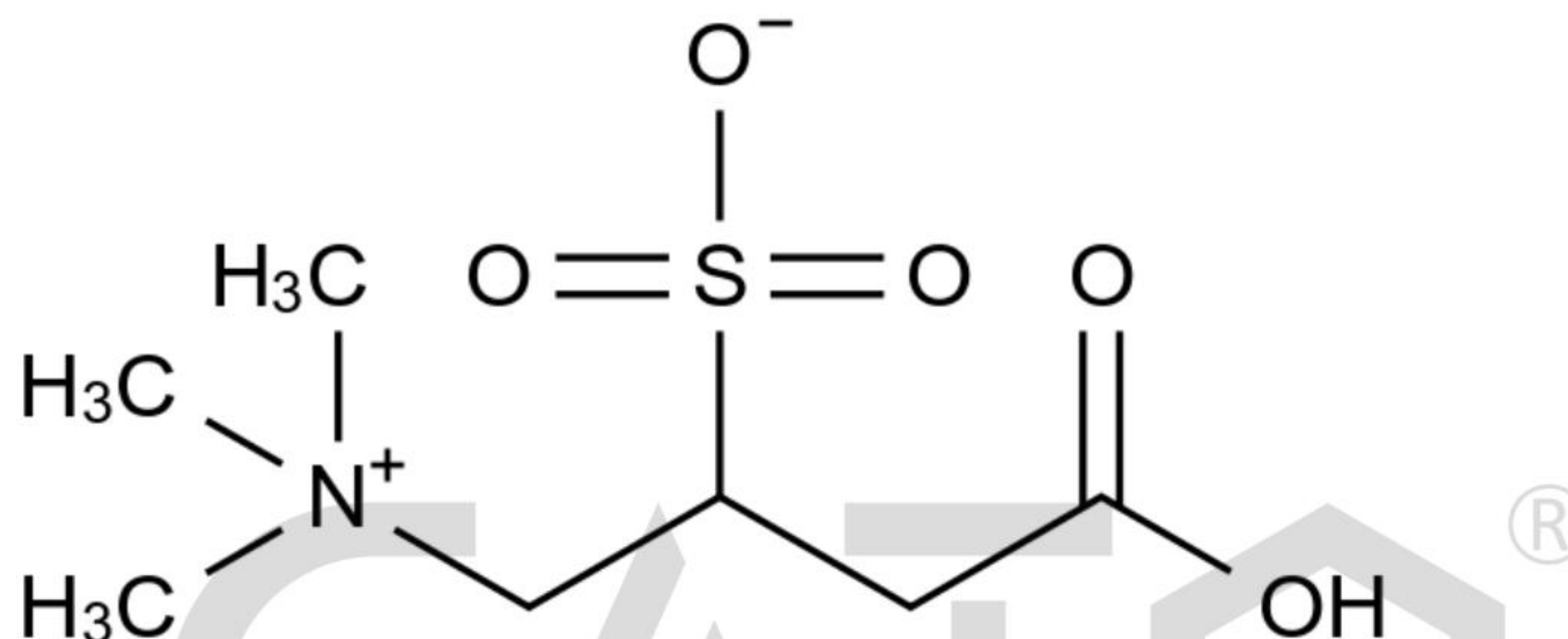


Certificate of Analysis

Reference Material

Product Name:	Levocarnitine Impurity 7	Catalogue Number:	C4X-12927
Chemical Name:	N/A	Lot Number:	0624-RD-0008
CAS Number:	N/A	Expiry Date:	Jun 10, 2025
Molecular Formula:	C ₇ H ₁₅ NO ₅ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	225.26		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	ELSD	99.1093%
Water Content	Karl Fischer	7.3%
Residual Solvents	NMR	Not detected in NMR
Assay		91.9%

Comment:

The calculation of the 100% method follows the formula:

Assay (%) = (100% - Water Content - Residual Solvents) * Purity ELSD (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by:

Debia

Reviewed by:

Cady

Aporoved by General manager:

David

Date: Jun 14, 2022

Date: Jun 28, 2022

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