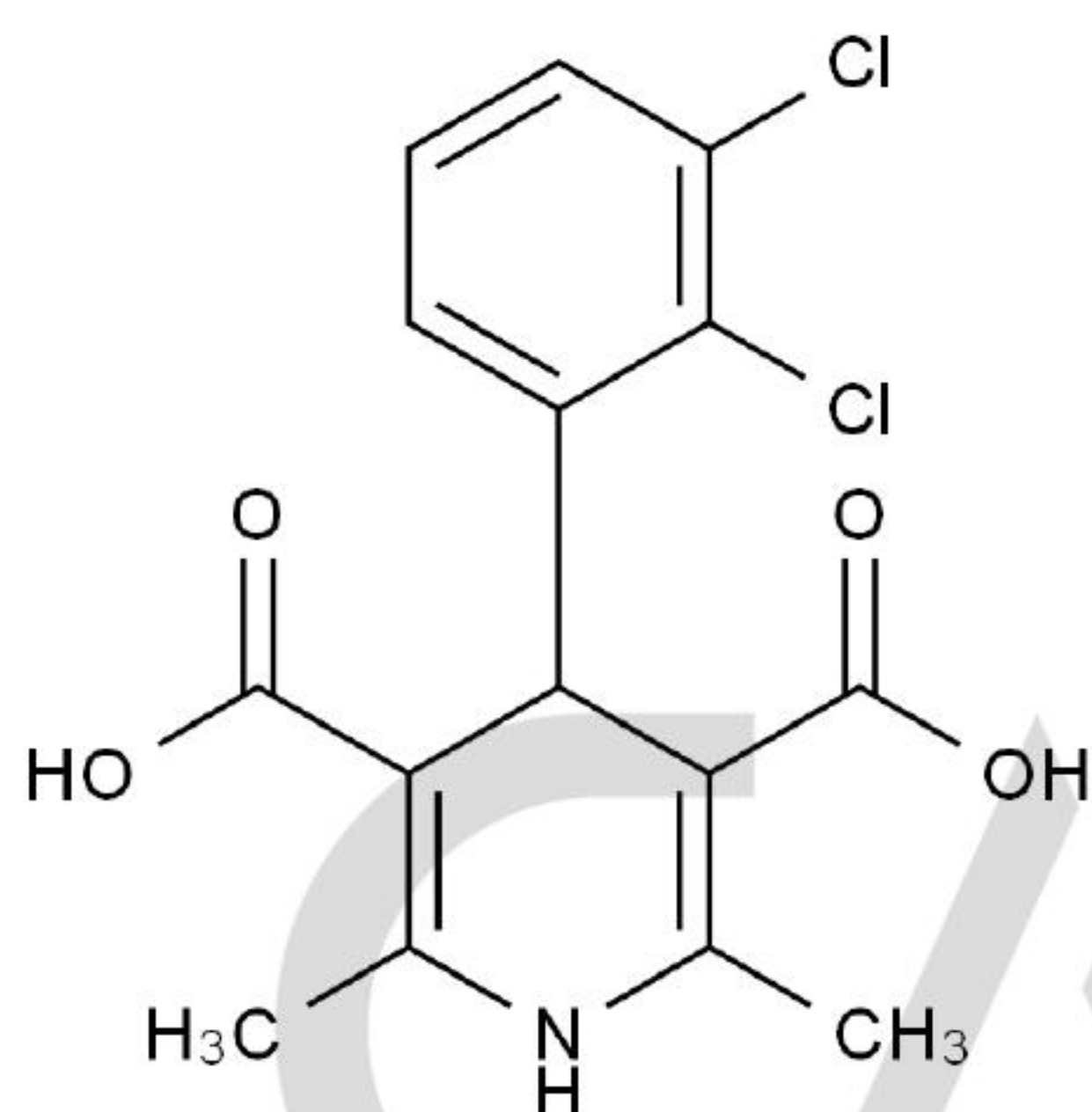


Certificate of Analysis

Reference Material & Standard

Product Name:	Clevudipine butyrate Impurity 11	Catalogue Number:	C4X-101511
Synonyms:	N/A	Lot Number:	0616-RG-0022
CAS Number:	138279-32-0	Expiry Date:	Dec 05, 2027
Molecular Formula:	C ₁₅ H ₁₃ Cl ₂ NO ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	342.17		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	HRMS&IR&UV&HNMR	Confirmed
Purity	HPLC	97.776%
Water Content	Karl Fischer	0.12%
Residual Solvents	NMR	0.37% dichloromethane
Assay		97.3%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

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

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

Signature:

Prepared by:

Lily

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jun 16, 2025

Date: Jun 16, 2025

Date: Jun 16, 2025

