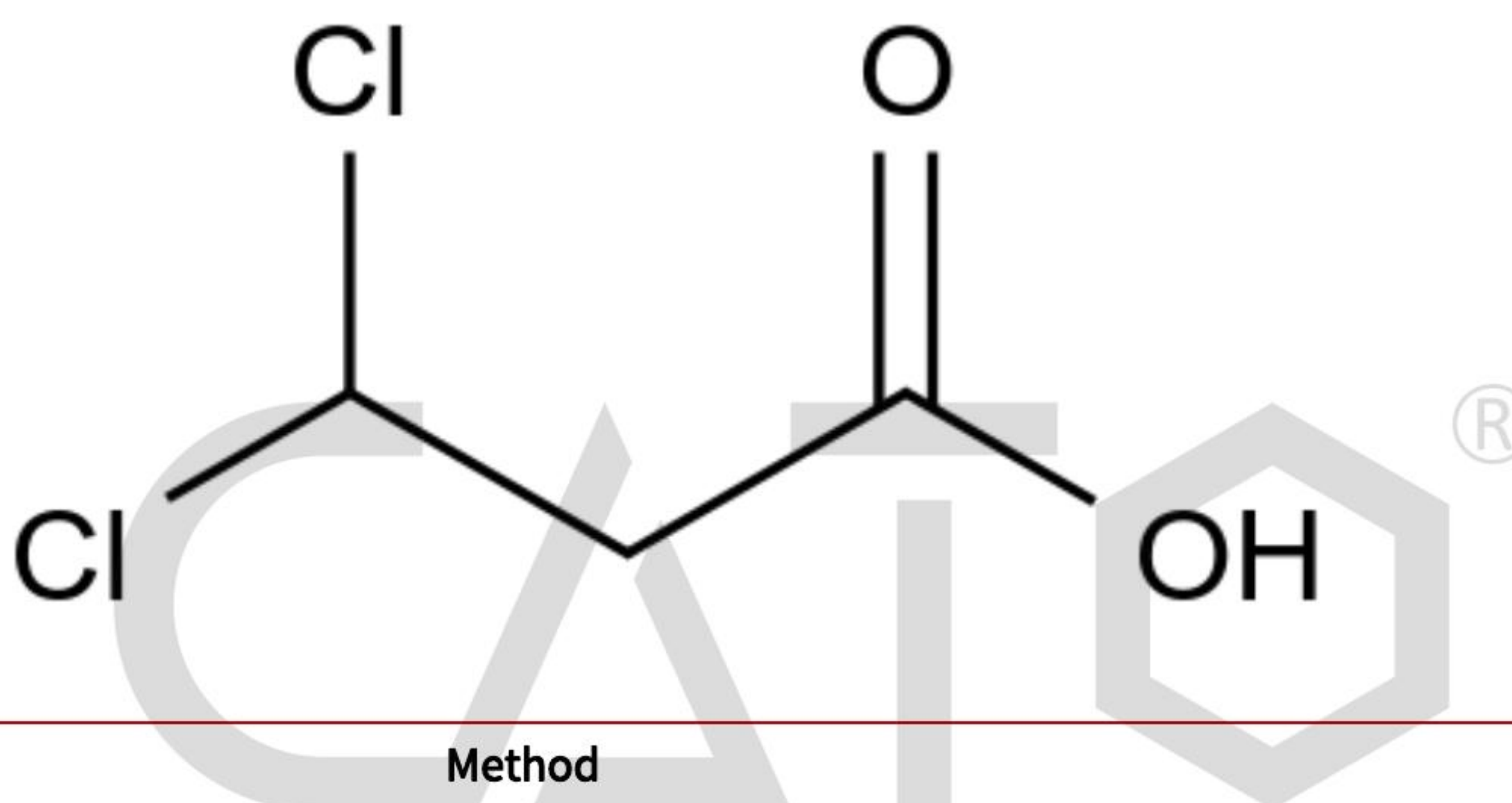


Certificate of Analysis

Reference Material & Standard

Product Name:	Cilostazol Impurity 13	Catalogue Number:	C4X-132813
Synonyms:	N/A	Lot Number:	0913-RF-0027
CAS Number:	22716-03-6	Expiry Date:	Sep 05, 2027
Molecular Formula:	C ₃ H ₄ Cl ₂ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	142.97		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	HRMS&IR&HNMR	Confirmed
Purity	GC	98.6311%
Water Content	Karl Fischer	0.40%
Residual Solvents	NMR	0.2% ethyl acetate
Assay		98.0%

Comment:

- The compound contains 1.1% Metazachlor Impurity 3(RT 4.04) according to its GC and proton NMR.
- The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content} - \text{Residual Solvents}) * \text{Purity GC (\%)} / 100\%$$
 Water Content and Residual Solvents are considered as absolute effect, GC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Sep 14, 2024

Date: Sep 14, 2024

Date: Sep 14, 2024

