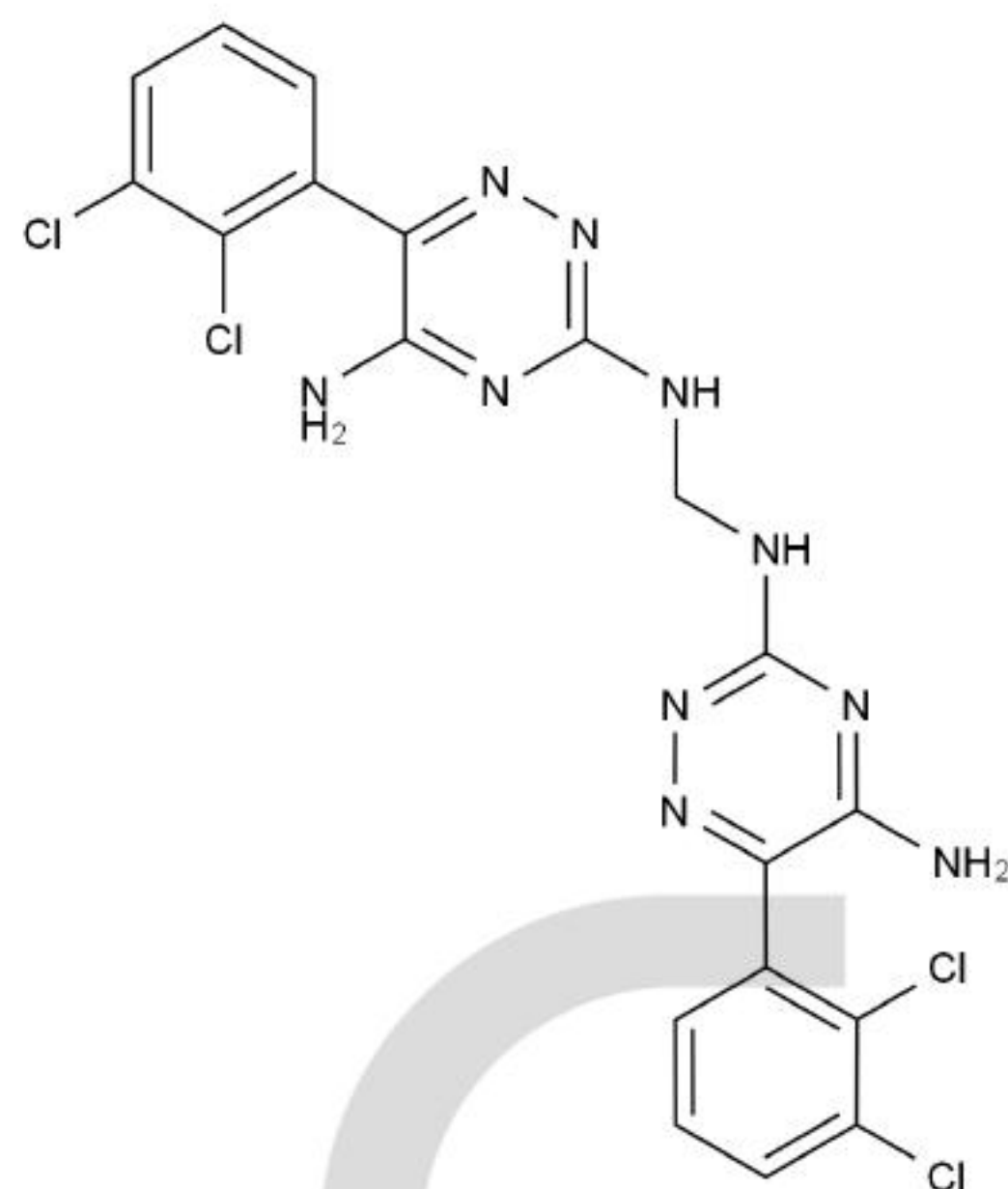


Certificate of Analysis

Reference Material

Product Name:	Lamotrigine Dimer Impurity 9	Catalogue Number:	C4X-16729
Chemical Name:	N/A	Lot Number:	0327-RE-0023
CAS Number:	1797983-48-2	Expiry Date:	Oct 15, 2024
Molecular Formula:	C ₁₉ H ₁₄ Cl ₄ N ₁₀	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	524.19		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.3047%
Water Content	Karl Fischer	2.1%
Residual Solvents	NMR	2.0% methanol
Assay		95.2%

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:

Nacy

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Oct 16, 2021

Date: Mar 30, 2023

Date: Mar 30, 2023

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