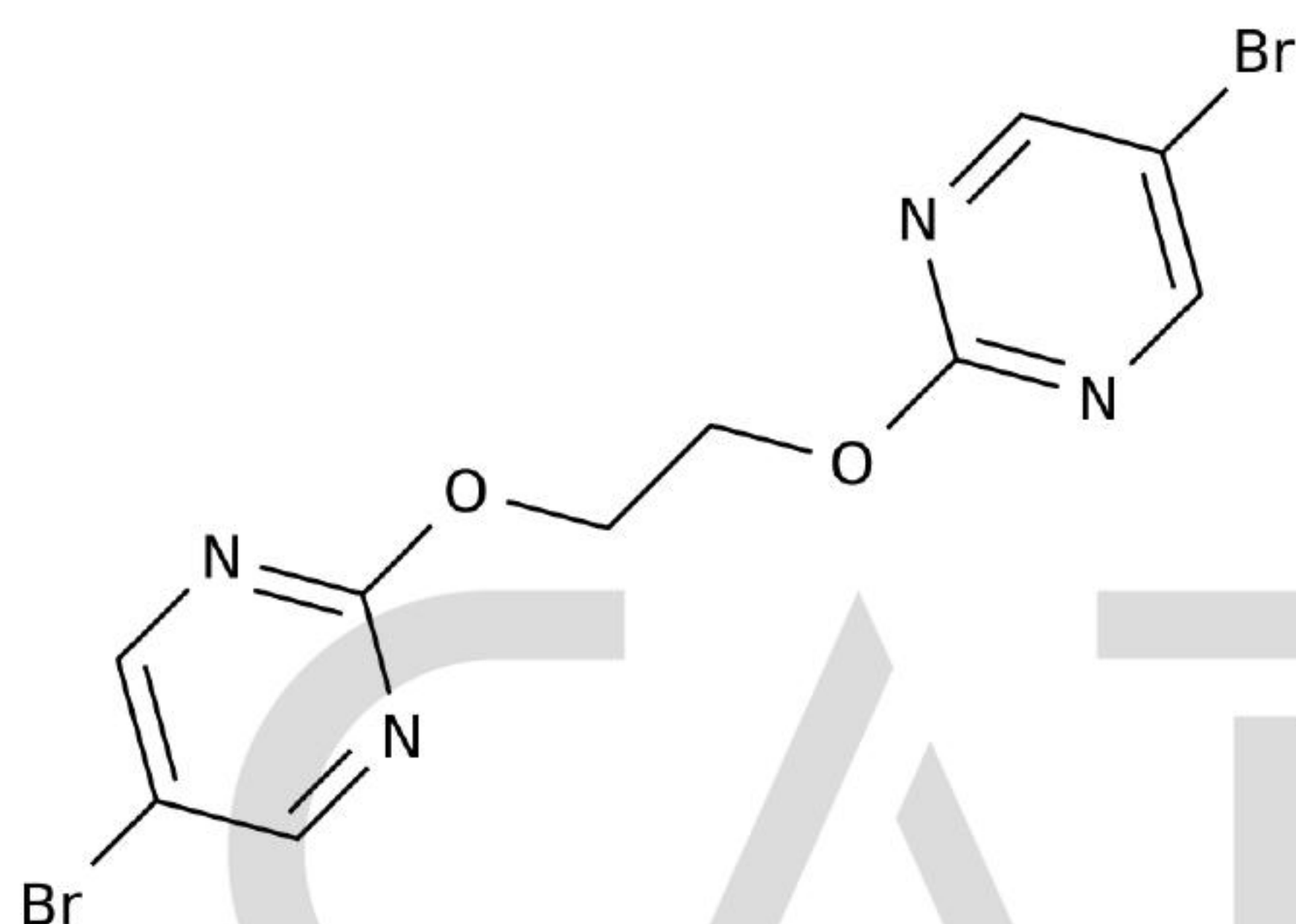


Certificate of Analysis

Reference Material & Standard

Product Name:	Macitentan Impurity 17	Catalogue Number:	C4X-117517
Synonyms:	N/A	Lot Number:	0106-RG-0048
CAS Number:	2211054-90-7	Expiry Date:	Oct 31, 2027
Molecular Formula:	C ₁₀ H ₈ Br ₂ N ₄ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	376.00		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	HRMS&HNMR	Confirmed
Purity	HPLC	99.989%
Water Content	Karl Fischer	0.50%
Residual Solvents	NMR	Not detected in NMR
Assay		99.5%

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:

Hinlam

Approved by General Manager:

David

Date: Jan 13, 2025

Date: Jan 14, 2025

Date: Jan 14, 2025

