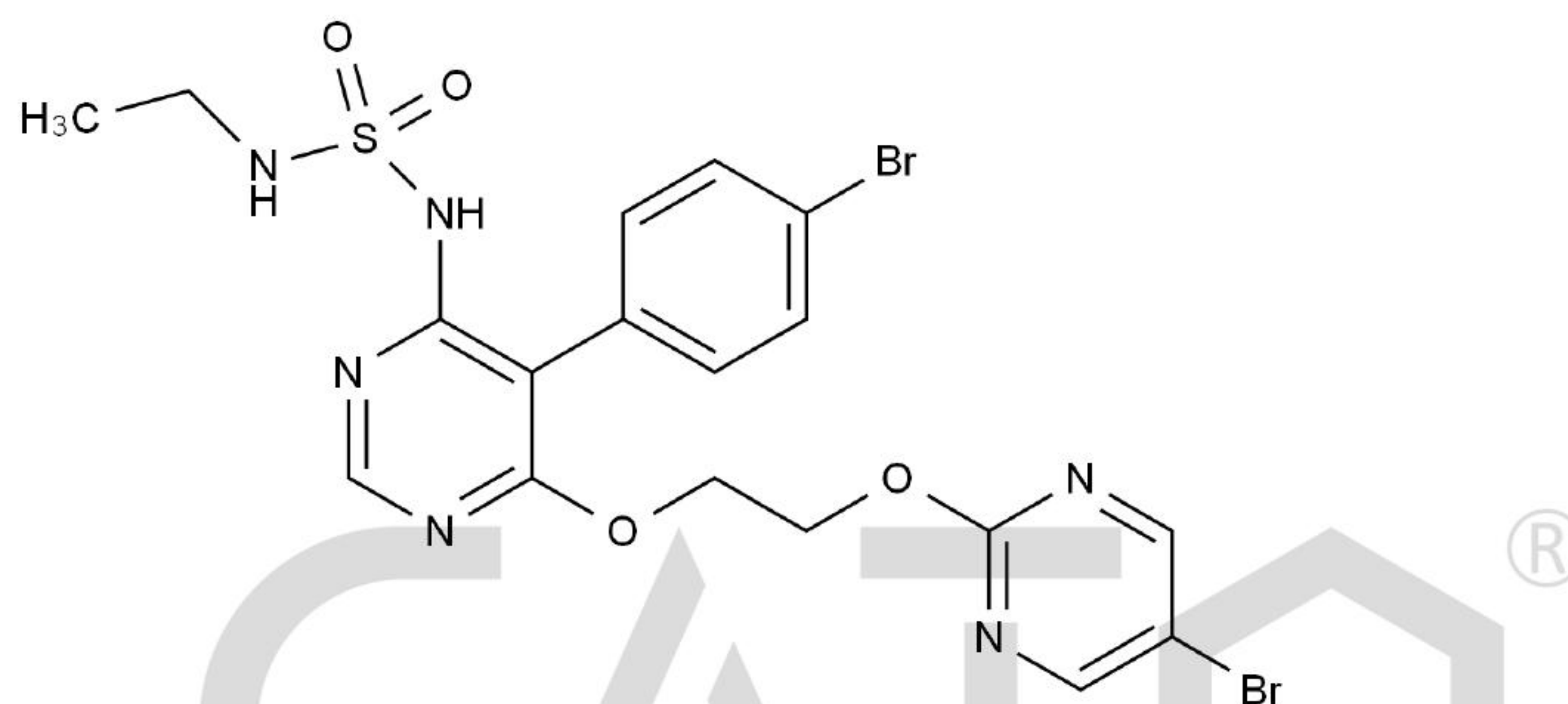


Certificate of Analysis

Reference Material

Product Name:	Macitentan Impurity 2	Catalogue Number:	C4X-11752
Chemical Name:	N/A	Lot Number:	0420-RE-0036
CAS Number:	441796-13-0	Expiry Date:	Apr 14, 2025
Molecular Formula:	C ₁₈ H ₁₈ Br ₂ N ₆ O ₄ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	574.25		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.7403%
Water Content	Karl Fischer	0.2%
Residual Solvents	NMR	0.1% methanol and 0.1% dichloromethane
Assay		99.3%

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:

Nacy

Reviewed by:

Xenia

Aproved by General manager:

David

Date: Apr 15, 2022

Date: May 09, 2023

Date: May 09, 2023

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