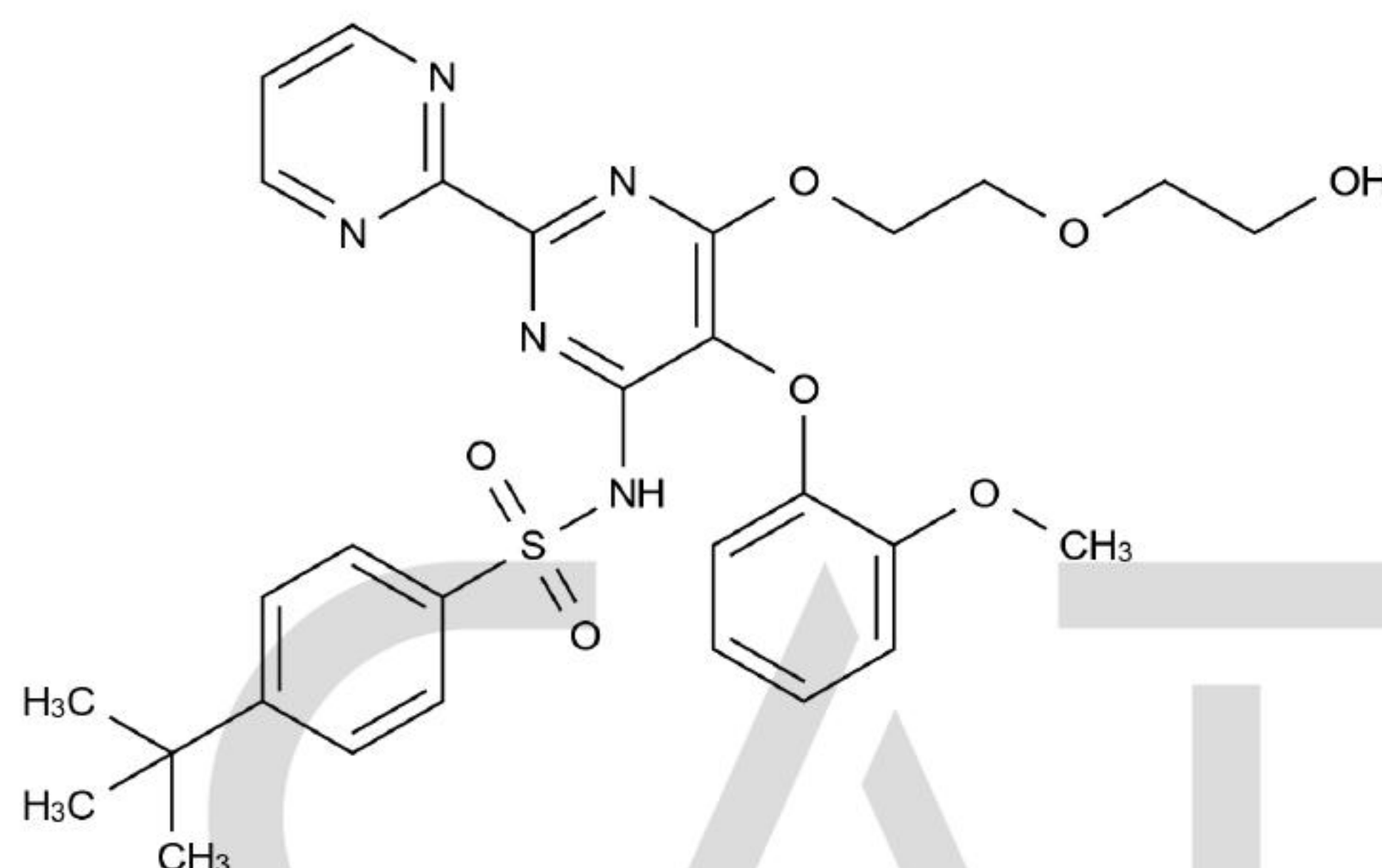


Certificate of Analysis

Reference Material & Standard

Product Name:	Bosentan Impurity 15	Catalogue Number:	C4X-156415
Synonyms:	N/A	Lot Number:	0603-RF-0001
CAS Number:	1257099-43-6	Expiry Date:	May 28, 2027
Molecular Formula:	C29H33N5O7S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	595.67		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	98.1810%
Water Content	Karl Fischer	0.30%
Residual Solvents	NMR	1.9% methanol
Assay		96.0%

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: Jun 04, 2024

Date: Jun 05, 2024

Date: Jun 05, 2024

