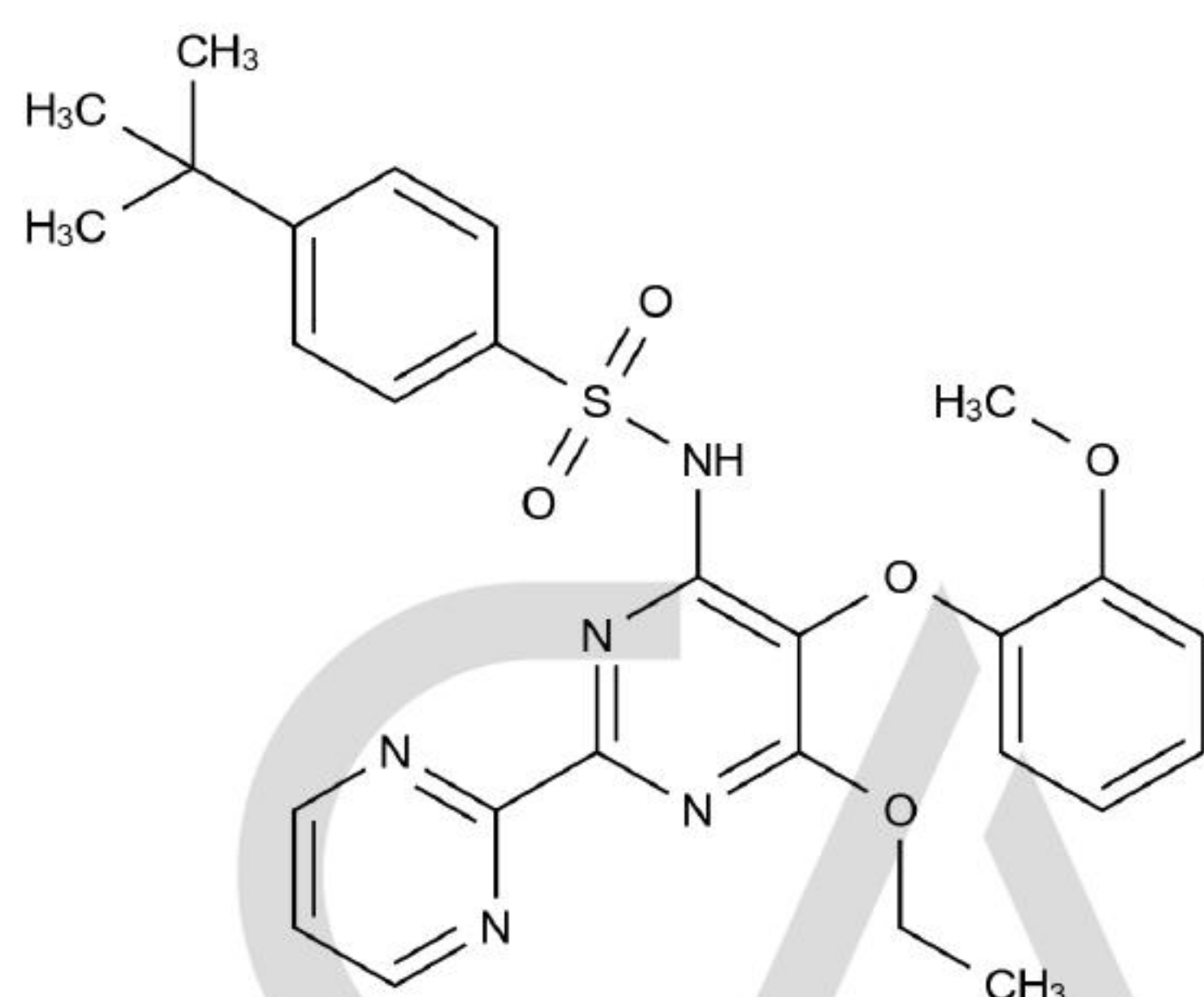


Certificate of Analysis

Reference Material & Standard

Product Name:	Bosentan impurity 16	Catalogue Number:	C4X-156416
Synonyms:	N/A	Lot Number:	0821-RF-0079
CAS Number:	157415-45-7	Expiry Date:	Feb 26, 2026
Molecular Formula:	C ₂₇ H ₂₉ N ₅ O ₅ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	535.61		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.0816%
Loss On Drying	TGA	0.493%
Assay		98.6%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Aug 21, 2024

Date: Aug 22, 2024

Date: Aug 22, 2024

