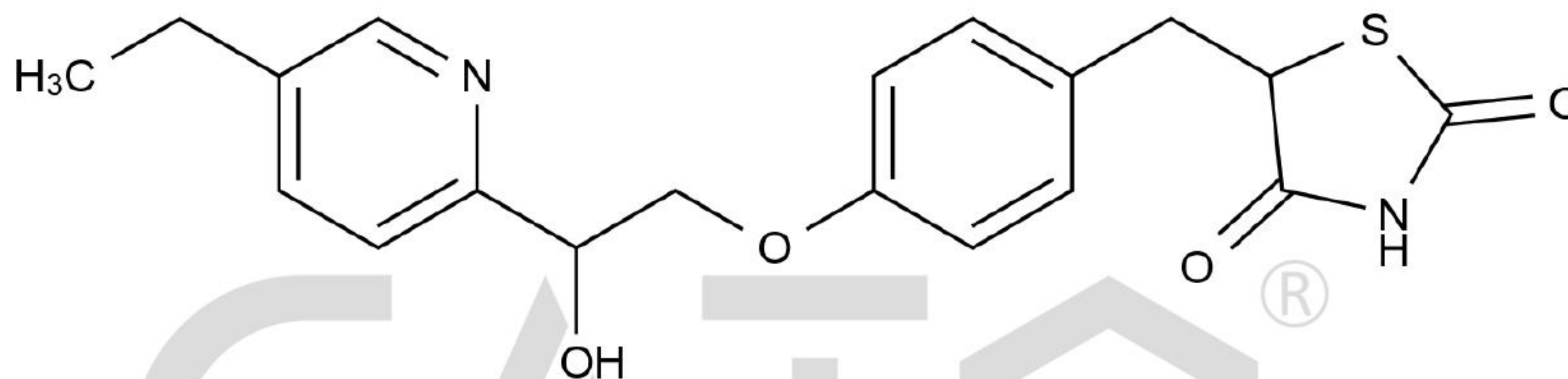


Certificate of Analysis

Reference Material & Standard

Product Name:	Pioglitazone Impurity 02	Catalogue Number:	C1016989
Synonyms:	N/A	Lot Number:	0912-RF-0003
CAS Number:	101931-00-4	Expiry Date:	Sep 03, 2027
Molecular Formula:	C ₁₉ H ₂₀ N ₂ O ₄ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	372.44	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.7479%
Water Content	Karl Fischer	0.90%
Residual Solvents	NMR	3.8% ethanol
Assay		95.1%

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: Sep 13, 2024

Date: Sep 13, 2024

Date: Sep 13, 2024

