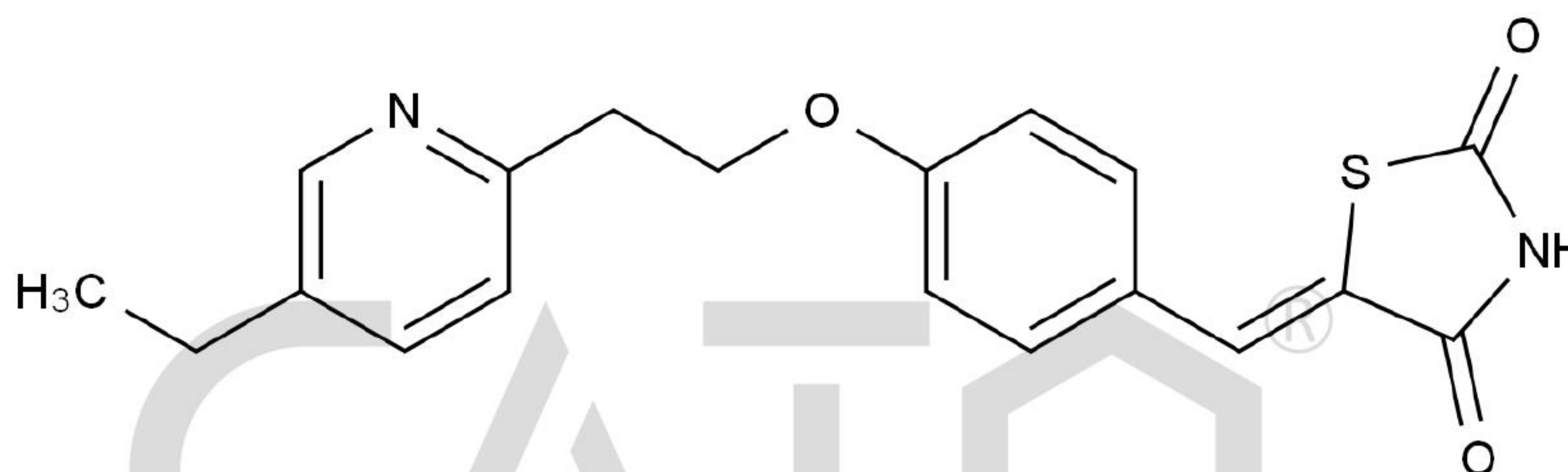


Certificate of Analysis

Reference Material & Standard

Product Name:	(5Z)-Pioglitazone EP Impurity B	Catalogue Number:	C4X-138318
Synonyms:	N/A	Lot Number:	0723-RH-0035
CAS Number:	136401-69-9	Expiry Date:	Jul 26, 2030
Molecular Formula:	C ₁₉ H ₁₈ N ₂ O ₃ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	354.42	Shipping Condition:	Shipping at Room Temperature
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.321%
Loss on Drying	TGA	0.1783%
Assay		97.1%

Comment:

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

$\text{Assay (\%)} = (100\% - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$

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

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jul 27, 2026

Date: Jul 27, 2026

Date: Jul 27, 2026



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