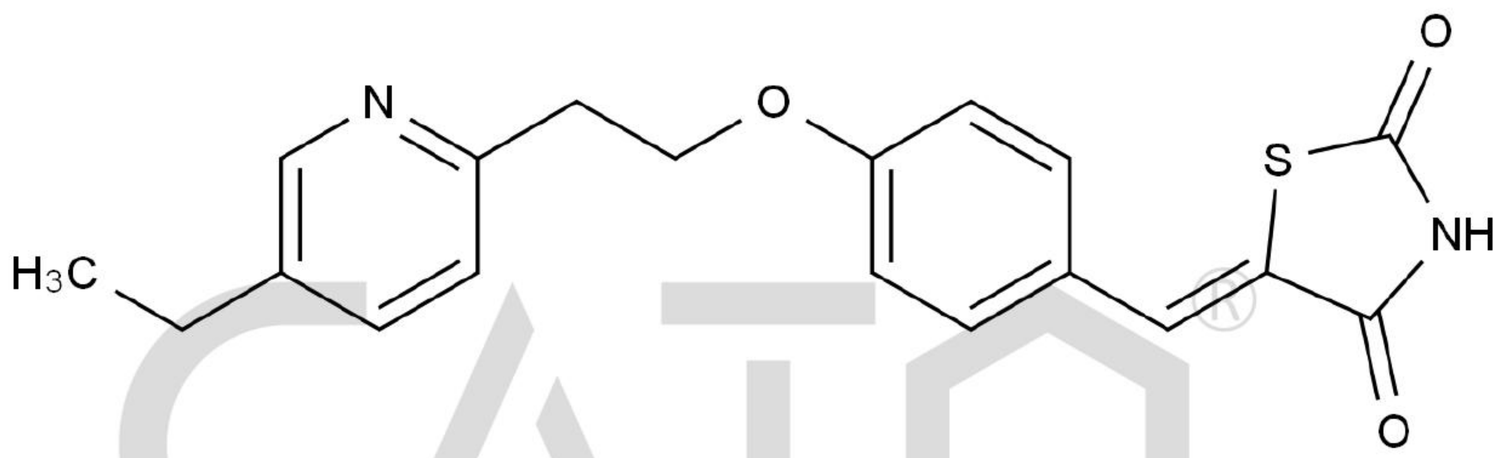
Certificate of Analysis

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:	$C_{19}H_{18}N_2O_3S$	**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&IR&HNMR	Confirmed
Purity	HPLC	97.321%
Loss on Drying	TGA	0.1783%
Assay	Mass Balance	97.1%

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Comment:

The calculation of the mass balance 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: Alice Date: Nov 20, 2026

Reviewed by: Koi Date: Nov 20, 2026

Approved by General Manager: David Date: Nov 20, 2026

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