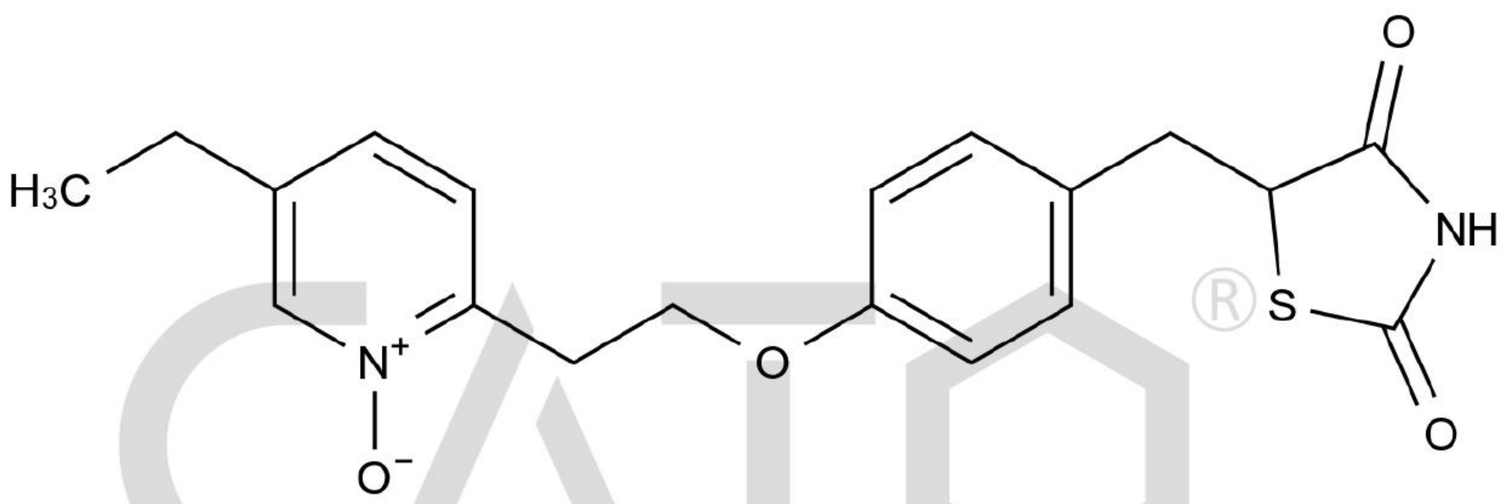
Certificate of Analysis

Reference Material & Standard

Product Name:	Pioglitazone N-Oxide	**Catalogue Number:**	C4X-13839
Synonyms:	N/A	**Lot Number:**	0915-RC-0006
CAS Number:	145350-09-0	**Expiry Date:**	Nov 09, 2030
Molecular Formula:	$C_{19}H_{20}N_2O_4S$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	372.44	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.7750%
Loss on Drying	TGA	0.2847%
Assay	Mass Balance	99.5%

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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: Koji Date: Nov 10, 2026

Reviewed by: Lisa Date: Nov 11, 2026

Approved by General Manager: David Date: Nov 11, 2026

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