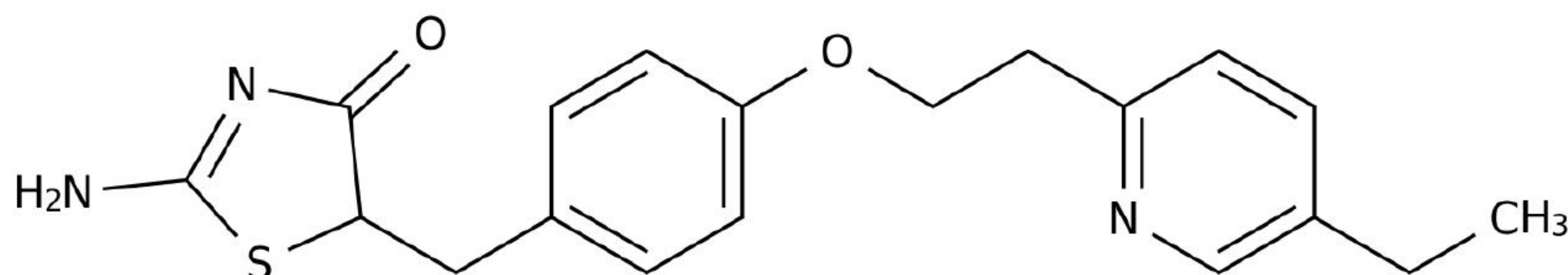


Certificate of Analysis

Reference Material

Product Name:	Pioglitazone Impurity 21	Catalogue Number:	C4X-138321
Chemical Name:	N/A	Lot Number:	0712-RD-0037
CAS Number:	105355-26-8	Expiry Date:	Jul 19, 2025
Molecular Formula:	C19H21N3O2S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	355.45		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Powder
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	99.418%
Loss On Drying	TGA	0.5744%
Assay		98.8%

Comment:

The calculation of the 100% method follows the formula:

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

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

Signature:

Prepared by:

Debia

Reviewed by:

Hinlam

Aporoved by General manager:

David

Date: Jul 20, 2022

Date: Jul 21, 2022

Date: Jul 21, 2022

