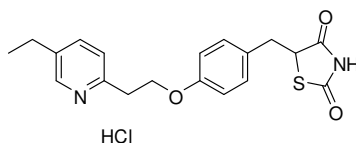




Certificate of Analysis

Axon Catalogue ID: 3255 **Batch Number:** 1
Product Name: Pioglitazone hydrochloride
Alternative Name(s): AD-4833
IUPAC Name: 5-(4-(2-(5-Ethylpyridin-2-yl)ethoxy)benzyl)thiazolidine-2,4-dione hydrochloride

Structure:



Amount:

CAS number(s): 111025-46-8 (parent), 112529-15-4 (HCl (1:1))
Molecular Formula: C₁₉H₂₀N₂O₃S.HCl **Molecular Weight:** 392.90
Batch Molecular Formula: C₁₉H₂₀N₂O₃S.HCl **Batch Molecular Weight:** 392.90
Appearance: White solid **Observed mp:** >198.7 °C (decomp)
TLC (R_f): 0.17 DCM/MeOH/NH₃ (20:1:0.1)
Chemical Purity: 99.8%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 58.08, H 5.39, N 7.13; Found: C 58.14, H 5.41, N 7.26
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	39.3	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 26-10-2020

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only