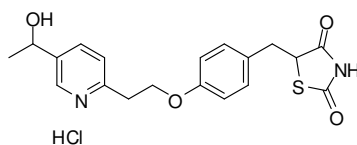




## Certificate of Analysis

**Axon Catalogue ID:** 2533 **Batch Number:** 1  
**Product Name:** Hydroxypliglitzone  
**Alternative Name(s):** M-IV  
**IUPAC Name:** 5-(4-(2-(5-(1-Hydroxyethyl)pyridin-2-yl)ethoxy)benzyl)thiazolidine-2,4-dione hydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 146062-44-4 (parent), 146062-46-6 (HCl (1:1))  
**Molecular Formula:** C<sub>19</sub>H<sub>20</sub>N<sub>2</sub>O<sub>4</sub>S.HCl **Molecular Weight:** 408.90  
**Batch Molecular Formula:** C<sub>19</sub>H<sub>20</sub>N<sub>2</sub>O<sub>4</sub>S.HCl **Batch Molecular Weight:** 408.90  
**Appearance:** White solid **Observed mp:** 212.0 - 214.9 °C  
**TLC (R<sub>f</sub>):** 0.75 DCM/MeOH (1:1)  
**Chemical Purity:** 99.5%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 55.81, H 5.18, N 6.85; Found: C 55.87, H 5.16, N 6.86  
**Storage Conditions:** Desiccate at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	32.7	80.0	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 08-03-2021

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**