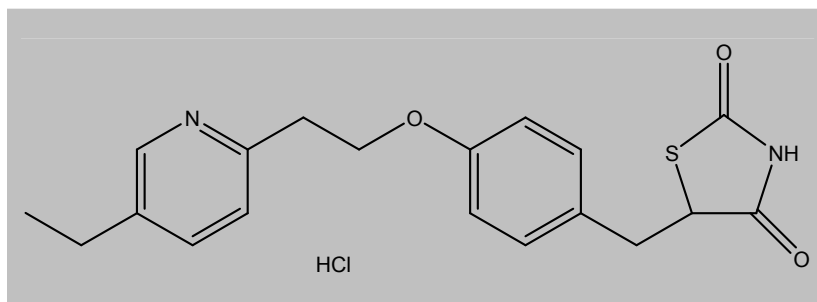


Certificate Of Analysis
Quality Control Testing and Research ApplicationCOA Preparation Date: 04/06/2012
COA Revision Date: 04/06/2015

Product: Pioglitazone hydrochloride
Cat. No.: BG0592
Batch No.: 0592BG/01
Chemical Name: (RS)-5-(4-[2-(5-ethylpyridin-2-yl)ethoxy]benzyl)thiazolidine-2,4-dione hydrochloride; Glustin; Glizone; Pioz; Actos

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₂₀N₂O₃S .HCl
Batch Molecular Weight: 392.20
CAS No.: [112529-15-4]
Physical Appearance: White solid
Melting Point: 190 - 194° C
Solubility: Soluble to 100 mM in DMSO or in ethanol
Storage: Desiccate at RT
Batch Molecular Structure:



Product Description: Selective PPAR_γ agonist. It is used for the treatment of diabetes mellitus type 2 in monotherapy and in combination with a Sulfonylurea, Metformin or Insulin. Antihyperglycemic agent.

References: 1. Gillies and Dunn (2000) Drugs 60:333; 2. Shah and Mudaliar (2010) Expert Opin Drug Saf 9:347

- CAUTION - Not fully tested. For Research use only. Not for human use. -

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BG0592 Pioglitazone hydrochloride

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: Loss on drying: 0.27% (complies); Residue on ignition: 0.03% (complies);
Heavy Metals: < 20 ppm (complies); HPLC Assay: > 99% (complies).

- CAUTION - Not fully tested. For Research use only. Not for human use. –