

Pioglitazone HCl, PPAR γ agonist

Catalog	Unit
TBI1010-10MG	10 mg
TBI1010-50MG	50 mg

Product Details

Formal Name: 5-[[4-[2-(5-Ethyl-2-pyridinyl)ethoxy]phenyl]methyl]-2,4-thiazolidinedione hydrochloride

Molecular Formula: C₁₉H₂₀N₂O₃S · HCl

Formula Weight: 392.90

CAS Number: 112529-15-4

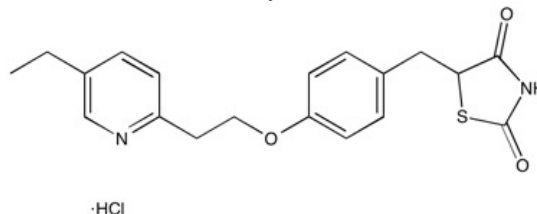
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml).

Storage: RT

Stability: \geq 1 year.



Applications

PPAR γ agonist

Functions

Pioglitazone is a clinically useful antidiabetic drug. It is a selective agonist of the human peroxisome proliferator-activated receptor γ 1 (PPAR γ 1; EC₅₀ = 490 nM, 550nM₃) with weak agonist activity at PPAR α and no activity at PPAR δ .

Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.