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DATASHEET

Pioglitazone hydrochloride

Product overview

Name Pioglitazone hydrochloride

Cat No HB2554
Biological action Agonist
Purity >99%

Description Selective PPARy agonist. Enhances mESCs proliferation and survival.

Biological Data

Biological description Thiazolidinedione (TZD) derivative. Selective PPAR γ agonist (EC $_{50}$ = 0.69 μ M which shows

antidiabetic actions.

Enhances mESCs proliferation and survival. Also improves survival of dissociated single hPSCs and

increases colony formation by acting with synergistically Y-27632.

Solubility & Handling

Solubility overview Soluble in DMSO (25mM)
Storage instructions room temperature (desiccate)

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions

Important

Stable for ambient temperature shipping. Follow storage instructions on receipt.

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use

Chemical Data

Chemical name 5-[[4-[2-(5-Ethyl-2-pyridinyl)-etho xy]phenyl]methyl]-2,4-thiazolidinedione hydrochloride **Molecular Weight** 392.9

Chemical structure

Molecular Formula C₁₉H₂₀N₂O₃S.HCl
CAS Number 112529-15-4
PubChem identifier 60560

SMILES CCC1=CN=C(C=C1)CCOC2=CC=C(C=C2)CC3C(=O)NC(=O)S3.CI

InChi InChi=1S/C19H20N2O3S.CIH/c1-2-13-3-6-15(20-12-13)9-10-24-16-7-4-14(5-8-16)11-17-18(22)21-1

9(23)25-17;/h3-8,12,17H,2,9-11H2,1H3,(H,21,22,23);1H

InChiKey GHUUBYQTCDQWRA-UHFFFAOYSA-N

MDL number MFCD04975446 Appearance White solid