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DATASHEET

Troglitazone

Product overview

Name Troglitazone
Cat No HB2559
Alternative names Rezulin
Biological action Agonist
Purity >97%

Description Potent, selective PPARγ agonist. Inhibits hematopoietic cell line growth.

Biological Data

Biological description Potent, selective PPARγ agonist with no activity at PPARα or PPARδ. Decreases insulin resistance

and shows potent glucose-lowering effects. Also stimulates adipogenesis and induces cellcycle arrest

and apoptosis in several cancer cell lines. Shows anti-diabetic and anti-inflammatory activity.

Solubility & Handling

Storage instructions -20°0

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

Important 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-[(3,4-Dihydro-6-hydroxy-2,5,7,8-tetramethyl-2*H*-1-benzopyran-2-yl)methoxy]phenyl

]methyl]-2,4-thiazolidinedione

Molecular Weight 441.54

Chemical structure

HO CH₃ S NH

Molecular FormulaC24H27NO5SCAS Number97322-87-7PubChem identifier5591

 $\begin{array}{lll} \textbf{SMILES} & \textbf{CC1=C2C(CCC(COC3=CC=C(CC4C(NC(S4)=O)=O)C=C3)(C)O2)=C(C)C(O)=C1C} \\ \textbf{InChiKey} & \textbf{GXPHKUHSUJUWKP-UHFFFAOYSA-N} \\ \end{array}$

Appearance White to off-white solid