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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Troglitazone

PPARgamma agonist
Catalog No. SIH-260



Discovery through partnership | Excellence through quality

Overview

Product Name

Troglitazone

Description

PPARgamma agonist

Purity

>98%

CAS No.

97322-87-7

Molecular Formula

C₁₇H₁₄INO₅

Molecular Weight

441.54

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Agonist

Solubility

Soluble to 100 mM in DMSO and to 10 mM in ethanol

Source

Synthetic

Appearance

White solid

SMILES

CC1=C(C2=C(CCC(O2)C)COC3=CC=C(C=C3)CC4C(=O)NC(=O)S4)C(=C1O)C

InChI

InChI=1S/C24H27NO5S/c1-13-14(2)21-18(15(3)20(13)26)9-10-24(4,30-21)12-29-17-7-5-16(6-8-17)11-19-22(27)25-23(28)31-19/h5-8,19,26

H,9-12H2,1-4H3,(H,

InChIKey

GXPHKUHSUJUWKP-UHFFFAOYSA-N

Safety Phrases

Classification: Harmful. May be harmful if inhaled, swallowed or absorbed through skin.
Safety Phrases:
S22 - Do not breathe dust
S24/25 - Avoid contact with skin and eyes
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection
Risk Phrases:
R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed
R40 - Limited evidence of a carcinogenic effect

Cite This Product

Troglitazone (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-260)

Biological Description

Alternative Names

5-{4-[(6-Hydroxy-2,5,7,8-tetramethyl-3,4-dihydro-2H-chromen-2-yl)methoxy]benzyl}-1,3-thiazolidine-2,4-dione, Rezulin

Research Areas

Cancer, Apoptosis

PubChem ID

5591

Scientific Background

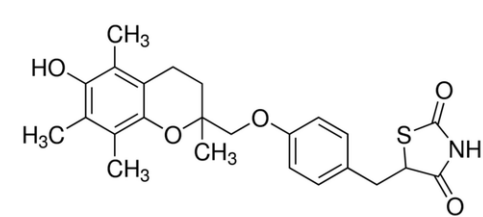
Troglitazone, a member of the thaizolidinediones, is an anti-diabetic and anti-inflammatory drug. It works by activating peroxisome proliferator-activated receptors (PPARs) (1). It is a ligand to both PPARalpha and gamma. It also contains an alpha-tocopheroyl moiety, potentially giving it vitamin E like activity (which helps in inflammation) (2).

References

- 1. Lambe K.G. and Tugwood J.D. (1996) Eur J Biochem. 239(1): 1-7.
- 2. Aljada A., et al. (2001) J Clin Endocrinol Metab. 86(7): 3250-3256.

Product Images

Chemical structure of Troglitazone (SIH-260), a PPARgamma agonist. CAS #: 97322-87-7. Molecular Formula: C24H27NO5S. Molecular Weight: 441.54 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.