



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 



# Data Sheet

Research Use Only

## Compound Name

Rosiglitazone

## Catalog Number

SM86

## Alternative Names

BRL 49653, 5-[[4-[2-(Methyl-2-pyridinylamino)ethoxy]phenyl]methyl]-2,4-thiazolidinedione

## Activity

Rosiglitazone is a potent and selective agonist for PPAR $\gamma$  (Peroxisome proliferator-activated receptor). PPAR $\gamma$  plays a functional role in adipogenesis, it belongs to a group of nuclear receptor proteins that are essential to the regulation of cellular differentiation, development and metabolism. It activates luciferase-based expression constructs PPAR $\gamma$ 1 and PPAR $\gamma$ 2.

## Effect

It is antidiabetic, working as an insulin sensitizer by binding to the PPAR $\gamma$  receptors in fat cells and making the cells more responsive to insulin. Rosiglitazone induced adipocyte differentiation in pluripotent C3H10T1/2 stem cells. It also significantly increased the differentiation of multinucleated osteoclasts.

## Purity

>98%

## CAS

122320-73-4

## Formula

C<sub>18</sub>H<sub>19</sub>N<sub>3</sub>O<sub>3</sub>S

## Molecular Weight

357.43

## Solubility

DMSO

## Stability

Stable at -20°C. Keep away from direct sunlight.

## References

1. García-Ruiz, I., et al. 2007. Hepatology. 46(2): 414-423. PMID: 17654601
2. Zhang, XZ. 2010. Reprod Biomed Online. 21(1): 26-36. PMID: 20462797
3. Lyssiotis, Ca., et al. 2011. Angew Chem Int Ed Engl. 50(1): 200-242. PMID: 21184400
4. Wu, H., et al. 2013. J Cell Biochem. 114(9): 1969-1977. PMID: 23494891