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## DATASHEET

### Rosiglitazone

#### Product overview

<b>Name</b>	Rosiglitazone
<b>Cat No</b>	HB2556
<b>Alternative names</b>	BRL 49653
<b>Biological action</b>	Agonist
<b>Purity</b>	>99%
<b>Description</b>	Potent and selective PPAR $\gamma$ agonist. Promotes adipocyte differentiation and enhances NPC proliferation.

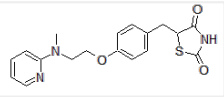
#### Biological Data

<b>Biological description</b>	Potent and selective PPAR $\gamma$ agonist. Potent insulin sensitizing agent which binds PPAR receptors to fat cells and making the cells more responsive to insulin. Ameliorates insulin resistance and shows antidiabetic, hypoglycemic and anti-inflammatory action. Also promotes mesenchymal stem cells (MSCs) adipocyte differentiation and enhances endogenous neural progenitor cells (NPCs) proliferation.
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#### Solubility & Handling

<b>Storage instructions</b>	+4 °C
<b>Solubility overview</b>	Soluble in 0.1M HCl (100 mM), and in DMSO (100 mM)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

#### Chemical Data

<b>Chemical name</b>	5-[[[4-[2-(Methyl-2-pyridinylamino)ethoxy]phenyl]methyl]-2,4-thiazolidinedione
<b>Molecular Weight</b>	357.43
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>19</sub> N <sub>3</sub> O <sub>3</sub> S
<b>CAS Number</b>	122320-73-4
<b>PubChem identifier</b>	77999
<b>SMILES</b>	CN(CCOC1=CC=C(C=C1)CC2C(=O)NC(=O)S2)C3=CC=CC=N3
<b>InChi</b>	InChI=1S/C18H19N3O3S/c1-21(16-4-2-3-9-19-16)10-11-24-14-7-5-13(6-8-14)12-15-17(22)20-18(23)25-15/h2-9,15H,10-12H2,1H3,(H,20,22,23)
<b>InChiKey</b>	YASAKCUCGLMORW-UHFFFAOYSA-N
<b>MDL number</b>	MFCD00871760
<b>Appearance</b>	White to off-white powder