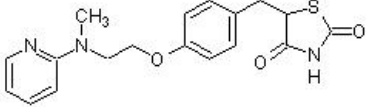


# Rosiglitazone, PPARgamma agonist ab120762

[8 References](#) [2 Images](#)

### Overview

<b>Product name</b>	Rosiglitazone, PPARgamma agonist
<b>Description</b>	Selective PPAR $\gamma$ agonist
<b>Biological description</b>	Selective PPAR $\gamma$ agonist (EC <sub>50</sub> = 43 nM). Thiazolidinedione. Mediates adipocyte differentiation, increases lipogenesis and enhances fatty acid and glucose uptake. Promotes differentiation of urothelial organoids; potent and selective PPAR $\gamma$ agonist.
<b>Purity</b>	> 99%
<b>CAS Number</b>	122320-73-4
<b>Chemical structure</b>	

### Properties

<b>Chemical name</b>	5-[[4-[2-(Methyl-2-pyridinylamino)ethoxy]phenyl]methyl]-2,4-thiazolidinedione
<b>Molecular weight</b>	357.43
<b>Molecular formula</b>	C <sub>18</sub> H <sub>19</sub> N <sub>3</sub> O <sub>3</sub> S
<b>PubChem identifier</b>	77999
<b>Storage instructions</b>	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO to 100 mM and in ethanol to 100 mM (with warming)
<b>Handling</b>	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>SMILES</b>	<chem>CN(CCOC1=CC=C(C=C1)CC2C(=O)NC(=O)S2)C3=CC=CC=N3</chem>

Source

Synthetic

## Applications

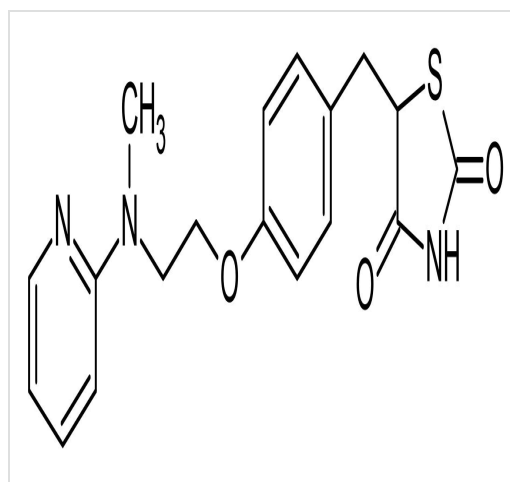
### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab120762 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

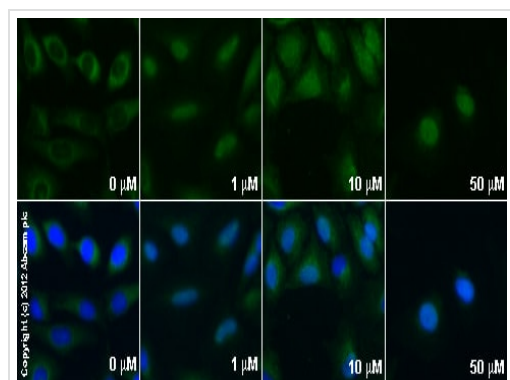
Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

## Images



Chemical Structure - Rosiglitazone, PPARgamma agonist (ab120762)

2D chemical structure image of ab120762, Rosiglitazone, PPARgamma agonist



Immunocytochemistry/ Immunofluorescence - Rosiglitazone, PPARgamma agonist (ab120762)

**ab3580** staining glucocorticoid receptor in serum starved HeLa cells treated with rosiglitazone (120762), by ICC/IF. Changes in localization of glucocorticoid receptor (translocation from cytoplasm to nucleus) correlates with increased concentration of rosiglitazone, as described in literature.

The cells were incubated at 37°C for 1h in media containing different concentrations of ab120762 (rosiglitazone) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab3580** (5 μg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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