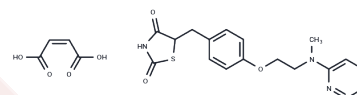


Rosiglitazone maleate

Chemical Properties

CAS No. :	155141-29-0
Formula:	C ₂₂ H ₂₃ N ₃ O ₇ S
Molecular Weight:	473.5
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Rosiglitazone maleate (BRL 49653) is the maleate salt of rosiglitazone, an orally-active thiazolidinedione with antidiabetic properties and potential antineoplastic activity.
Targets(IC50)	Ferroptosis, Autophagy, PPAR, TRP/TRPV Channel
In vivo	In numerous cell lines, Rosiglitazone has been found to inhibit cholesterol synthesis. It activates the AMP-activated protein kinase (AMPK) complex, which includes the α 1 and α 2 subunits within the AMPK α subunit, leading to an increase in phosphorylation.

Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 87 mg/mL (183.74 mM), Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1119 mL	10.5597 mL	21.1193 mL
5 mM	0.4224 mL	2.1119 mL	4.2239 mL
10 mM	0.2112 mL	1.056 mL	2.1119 mL
50 mM	0.0422 mL	0.2112 mL	0.4224 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Deeks ED, et al. Drugs, 2007, 67(18), 2747-2779.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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