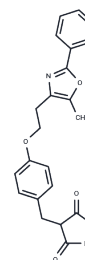


Reglitazar

Chemical Properties

CAS No. :	170861-63-9
Formula:	C ₂₂ H ₂₀ N ₂ O ₅
Molecular Weight:	392.4
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Reglitazar (JTT-501) is a dual PPAR α and PPAR γ agonist that is used to study diabetes.
Targets(IC50)	PPAR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5484 mL	12.7421 mL	25.4842 mL
5 mM	0.5097 mL	2.5484 mL	5.0968 mL
10 mM	0.2548 mL	1.2742 mL	2.5484 mL
50 mM	0.051 mL	0.2548 mL	0.5097 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Guo L, et al. Differences in hepatotoxicity and gene expression profiles by anti-diabetic PPAR gamma agonists on rat primary hepatocytes and human HepG2 cells. *Mol Divers*. 2006 Aug;10(3):349-60.
- Zhong CB, et al. [Design, synthesis and insulin-sensitizing activity of some peroxisome proliferator-activated gamma agonists]. *Yao Xue Xue Bao*. 2005 Feb;40(2):136-40. Chinese.
- Breda M, et al. James CA. Simultaneous determination of JTT-501 and its main metabolite in human plasma by liquid chromatography-ionspray mass spectrometry. *J Chromatogr B Analyt Technol Biomed Life Sci*. 2003 Aug 25; 794(1):167-74.
- Yamanouchi T, et al. [Chemical structures and pharmacological characteristics of novel non-thiazolidinedione insulin sensitizer (JTT-501, FK614)]. *Nihon Rinsho*. 2002 Sep;60 Suppl 9:573-7. Review. Japanese.

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