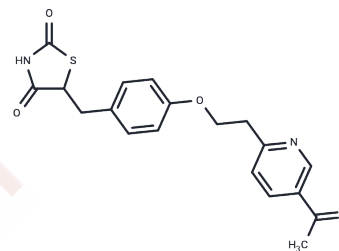


Ketopioglitazone

Chemical Properties

CAS No. :	146062-45-5
Formula:	C ₁₉ H ₁₈ N ₂ O ₄ S
Molecular Weight:	370.42
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	Ketopioglitazone is an active metabolite of pioglitazone.
Targets(IC50)	Others,PPAR

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6996 mL	13.4982 mL	26.9964 mL
5 mM	0.5399 mL	2.6996 mL	5.3993 mL
10 mM	0.270 mL	1.3498 mL	2.6996 mL
50 mM	0.054 mL	0.270 mL	0.5399 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

Kawaguchi-Suzuki M, Brill F, Sanchez PP, Cusi K, Frye RF. A validated liquid chromatography tandem mass spectrometry method for simultaneous determination of pioglitazone, hydroxypioglitazone, and ketopioglitazone in human plasma and its application to a clinical study. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2014 Oct 15;969:219-23. doi: 10.1016/j.jchromb.2014.08.019. Epub 2014 Aug 21. PubMed PMID: 25195022.

Vaidyanathan S, Maboudian M, Warren V, Yeh CM, Dieterich HA, Howard D, Dole WP. A study of the pharmacokinetic interactions of the direct renin inhibitor aliskiren with metformin, pioglitazone and fenofibrate in healthy subjects. *Curr Med Res Opin.* 2008 Aug;24(8):2313-26. doi: 10.1185/03007990802259354. PubMed PMID: 18786303.

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