

Ketopioglitazone

Chemical Properties

CAS No.:	146062-45-5
Formula:	C ₁₉ H ₁₈ N ₂ O ₄ S
Molecular Weight:	370.42
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Ketopioglitazone is an active metabolite of pioglitazone.
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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	2.700 mL	13.498 mL	26.996 mL
5 mM	0.540 mL	2.700 mL	5.399 mL
10 mM	0.270 mL	1.350 mL	2.700 mL
50 mM	0.054 mL	0.270 mL	0.540 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Kawaguchi-Suzuki M, Bril 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.
2. 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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