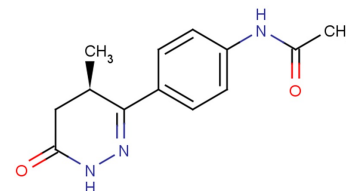


OR-1896

Chemical Properties

CAS No.: 220246-81-1
Formula: C₁₃H₁₅N₃O₂
Molecular Weight: 245.28
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	OR-1896 is an active long-lived Levosimendan metabolite, is a highly selective inhibitor of phosphodiesterase (PDE) III isoform and a powerful vasodilator.
Targets(IC ₅₀)	PDE3/PDE III: None
In vitro	OR-1896 evokes prominent vasodilatory responses, activation of ATP-sensitive sarcolemmal K ⁺ channels of smooth muscle cells appears as a powerful vasodilator mechanism. Additionally, activation of ATP-sensitive K ⁺ channels in the mitochondria potentially extends the range of cellular actions towards the modulation of mitochondrial ATP production and implicates a pharmacological mechanism for cardioprotection[1].

Solubility Information

Solubility	DMSO: 62.5 mg/mL (254.81 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.077 mL	20.385 mL	40.77 mL
5 mM	0.815 mL	4.077 mL	8.154 mL
10 mM	0.408 mL	2.038 mL	4.077 mL
50 mM	0.082 mL	0.408 mL	0.815 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. Papp, Z, et al., Levosimendan: molecular mechanisms and clinical implications: consensus of experts on the mechanisms of action of levosimendan. Int J Cardiol. 2012 Aug 23;159(2):82-7.

Inhibitors · Natural Compounds · Compound Libraries

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