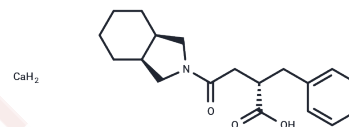


Mitiglinide Calcium

Chemical Properties

CAS No. : 145525-41-3
 Formula: (C₁₉H₂₄NO₃)₂·Ca
 Molecular Weight: 668.88
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Mitiglinide Calcium (KAD-1229) is a blood glucose-lowering drugs, stimulating insulin secretion by closing the ATP-sensitive K ⁺ channels in pancreatic beta-cells.
Targets(IC50)	ATPase,Potassium Channel

Solubility Information

Solubility	DMSO: 5 mg/mL (14.95 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.495 mL	7.4752 mL	14.9504 mL
5 mM	0.299 mL	1.495 mL	2.9901 mL
10 mM	0.1495 mL	0.7475 mL	1.495 mL
50 mM	0.0299 mL	0.1495 mL	0.299 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

Shigeto M,et al.J Pharmacol Exp Ther. 2007 Jul;322(1):1-7.
 Ojima K, Kiyono Y, Kojima M.Nihon Yakurigaku Zasshi. 2004 Oct;124(4):245-55.

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