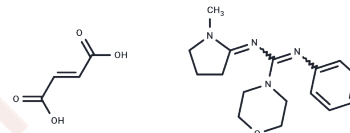


Linogliride fumarate

Chemical Properties

CAS No. :	78782-47-5
Formula:	C ₂₀ H ₂₆ N ₄ O ₅
Molecular Weight:	402.451
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	Linogliride fumarate is the fumarate salt of Linogliride. Linogliride is a guanidine-based inhibitor of insulin secretion and a structural analog of pirogliride with hypoglycemic activity. It blocks ATP-sensitive potassium channels in the pancreatic beta cell membrane, thereby stimulating insulin secretion and improving glucose tolerance.
Targets(IC50)	Others,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4848 mL	12.4239 mL	24.8478 mL
5 mM	0.497 mL	2.4848 mL	4.9696 mL
10 mM	0.2485 mL	1.2424 mL	2.4848 mL
50 mM	0.0497 mL	0.2485 mL	0.497 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

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Ronner P, Cheong E, Khalid P, Tuman RW, Matschinsky FM. Effect of linogliride on hormone release from perfused rat pancreas. Fuel dependence and desensitization by tolbutamide. Diabetes. 1991 Jul;40(7):878-84. PubMed PMID: 2060724.

Ronner P, Higgins TJ, Kimmich GA. Inhibition of ATP-sensitive K⁺ channels in pancreatic beta-cells by nonsulfonylurea drug linogliride. Diabetes. 1991 Jul;40(7):885-92. PubMed PMID: 2060725.

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