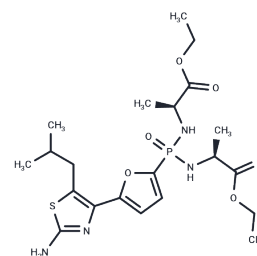


Managlinat dialanetil

Chemical Properties

CAS No. :	280782-97-0
Formula:	C ₂₁ H ₃₃ N ₄ O ₆ PS
Molecular Weight:	500.55
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	Managlinat dialanetil (MB06322) is an orally available and potent fructose 1,6-bisphosphatase (FBPase) inhibitor with hypoglycaemic activity for the study of type 2 diabetes.
Targets(IC50)	Phosphatase
In vivo	Dose-dependently inhibiting gluconeogenesis (GNG), managlinat dialanetil also lowers basal and postprandial blood glucose levels in Zucker diabetic fatty (ZDF) rats after oral administration[1].

Solubility Information

Solubility	DMSO: 20 mg/mL (39.96 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	1.9978 mL	9.989 mL	19.978 mL
5 mM	0.3996 mL	1.9978 mL	3.9956 mL
10 mM	0.1998 mL	0.9989 mL	1.9978 mL
50 mM	0.040 mL	0.1998 mL	0.3996 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

Wang Y, et al. Managlinat dialanetil, a fructose-1,6-bisphosphatase inhibitor for the treatment of type 2 diabetes. Curr Opin Investig Drugs. 2007 Oct;8(10):849-58.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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