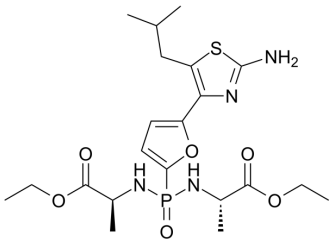
Managlinat dialanetil

Cat. No.:	HY-14955
CAS No.:	280782-97-0
Molecular Formula:	$C_{21}H_{33}N_4O_6PS$
Molecular Weight:	500.55
Target:	FBPase
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (49.95 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	1.9978 mL	9.9890 mL	19.9780 mL
	5 mM	0.3996 mL	1.9978 mL	3.9956 mL
	10 mM	0.1998 mL	0.9989 mL	1.9978 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Managlinat dialanetil (MB06322) is an orally bioavailable inhibitor of fructose 1,6-bisphosphatase (FBPase) for the treatment of type 2 diabetes[1] [2].

IC_{50} & Target

FBPase[1][2]

In Vivo

Managlinat dialanetil dose-dependently inhibits GNG as well as lower basal and postprandial blood glucose levels in Zucker diabetic fatty (ZDF) rats after oral administration[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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