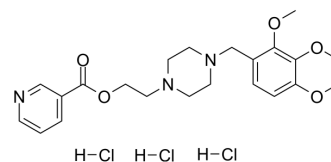


Ninerafaxstat trihydrochloride

Cat. No.:	HY-139577A
CAS No.:	2311824-72-1
Molecular Formula:	C ₂₂ H ₃₂ Cl ₃ N ₃ O ₅
Molecular Weight:	524.87
Target:	Mitochondrial Metabolism
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 41.67 mg/mL (79.39 mM; ultrasonic and warming and heat to 60°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.9052 mL	9.5262 mL	19.0523 mL
	5 mM	0.3810 mL	1.9052 mL	3.8105 mL
	10 mM	0.1905 mL	0.9526 mL	1.9052 mL

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

BIOLOGICAL ACTIVITY

Description

Ninerafaxstat (IMB-1018972) trihydrochloride is a novel mitotropic agent. Ninerafaxstat trihydrochloride increases myocardial metabolic efficiency by shifting substrate utilization towards glucose through reducing fatty acid oxidation (inhibiting 3-ketoacyl CoA thiolase). Ninerafaxstat trihydrochloride can be used for the research of cardiovascular diseases^[1]

REFERENCES

[1]. Larry Tremaine, et al. Abstract 10372: A Clinical Drug-Drug Interaction Study of Imb-1018972, a Novel Investigational Cardiac Mitrope in Phase 2 Development for the Treatment of Myocardial Ischemia and Hypertrophic Cardiomyopathy. METABOLISM AND PHYSIOLOGY. 8 Nov 2021.

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

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