

Product Data Sheet

Product Name: Ninerafaxstat

Cat. No.: GC70827

Chemical Properties

Cas. No. 2254741-41-6

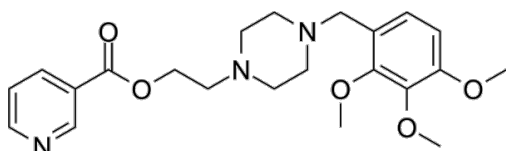
Formula $C_{22}H_{29}N_3O_5$ M.Wt 415.48

Solubility DMSO : 100 mg/mL (240.69 mM); Storage -20°C
Need ultrasonic; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

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

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

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References:

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

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