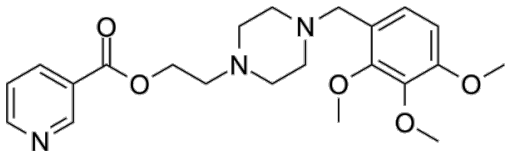
# Product Data Sheet

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; Need ultrasonic; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO) | Storage | -20°C |
| 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.***
***Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com***
***Address: 10292 Central Ave. #205, Montclair, CA, USA***

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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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