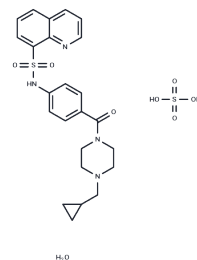


Mitapivat sulfate hydrate

Chemical Properties

CAS No. :	2151847-10-6
Formula:	C ₂₄ H ₂₆ N ₄ O ₃ S 1/2H ₂ SO ₄ 3/2H ₂ O
Molecular Weight:	526.6
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	Mitapivat sulfate hydrate (AG 348 sulfate hydrate) is an erythrocyte pyruvate kinase (PK) allosteric activator. It enhances enzyme activity, protein stability, and ATP levels in various PKLR genotypes and can be used in pyruvate kinase deficiency research.
Targets(IC50)	PKM

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.899 mL	9.4949 mL	18.9897 mL
5 mM	0.3798 mL	1.899 mL	3.7979 mL
10 mM	0.1899 mL	0.9495 mL	1.899 mL
50 mM	0.038 mL	0.1899 mL	0.3798 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

- Ramesh Goura, et al. An Alternate, Efficient Synthetic Process for a Hemolytic Anemia Drug: Mitapivat Sulfate. *Organic Process Research & Development*. 2024 28 (11), 4024-4033.
- Wills J, et al. Mitapivat: A Quinolone Sulfonamide to Manage Hemolytic Anemia in Adults With Pyruvate Kinase Deficiency. *Am J Ther*. 2023 Sep-Oct 01;30(5):e433-e438

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