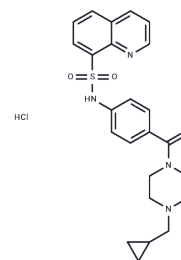


Mitapivat hydrochloride

Chemical Properties

CAS No. :	2559738-69-9
Formula:	C ₂₄ H ₂₇ ClN ₄ O ₃ S
Molecular Weight:	487.014
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 (AG-348) hydrochloride is an orally active and selective allosteric activator of pyruvate kinase R (PK-R). It enhances the PK-R-catalyzed conversion of phosphoenolpyruvate to pyruvate, thereby promoting the glycolysis pathway, increasing ATP production in red blood cells, and decreasing 2,3-diphosphoglycerate (2,3-DPG) levels. Mitapivat hydrochloride is being investigated for potential use in the study of pyruvate kinase deficiency and other anemia-related disorders.
Targets(IC50)	PKM

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0533 mL	10.2667 mL	20.5335 mL
5 mM	0.4107 mL	2.0533 mL	4.1067 mL
10 mM	0.2053 mL	1.0267 mL	2.0533 mL
50 mM	0.0411 mL	0.2053 mL	0.4107 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.

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