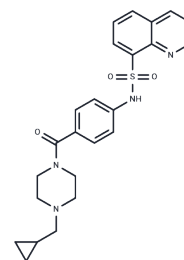


## Mitapivat

## Chemical Properties

CAS No. :	1260075-17-9
Formula:	C <sub>24</sub> H <sub>26</sub> N <sub>4</sub> O <sub>3</sub> S
Molecular Weight:	450.55
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Mitapivat (PKR-IN-1), also known as PKM2 activator 1020 is a PKM2 activator (pyruvate kinase activator) for the treatment of pyruvate kinase deficiency.
Targets(IC <sub>50</sub> )	PKM

## Solubility Information

Solubility	DMSO: 3.67 mg/mL (8.15 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2195 mL	11.0975 mL	22.1951 mL
5 mM	0.4439 mL	2.2195 mL	4.439 mL
10 mM	0.222 mL	1.1098 mL	2.2195 mL
50 mM	0.0444 mL	0.222 mL	0.4439 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

C Kung. Activators of pyruvate kinase M2 and methods of treating disease. PCT Int. Appl. WO 2013056153 A1.  
FG Salituro et al. Preparation of aroylpiperazines and related compounds as pyruvate kinase M2 modulators useful in treatment of cancer. U.S. Pat. Appl. US 201200331307 A1.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481