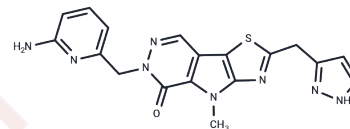


## PKR activator 2

## Chemical Properties

CAS No. :	2283422-04-6
Formula:	C <sub>18</sub> H <sub>16</sub> N <sub>8</sub> O <sub>5</sub>
Molecular Weight:	392.44
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	PKR activator 2 is a potent activator of pyruvate kinase-R (PKR).
Targets(IC50)	Others,PKM
In vivo	PKR activators can be beneficial to treat disorders and conditions such as but not limited to PKD, thalassemia, hereditary elliptocytosis, anemia (e.g. , congenital anemias (e.g., enzymopathies), hemolytic anemia (e.g. hereditary and/or congenital hemolytic anemia, acquired hemolytic anemia, chronic hemolytic anemia caused by phosphoglycerate kinase deficiency, anemia of chronic diseases, non-spherocytic hemolytic anemia or hereditary spherocytosis)[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5482 mL	12.7408 mL	25.4816 mL
5 mM	0.5096 mL	2.5482 mL	5.0963 mL
10 mM	0.2548 mL	1.2741 mL	2.5482 mL
50 mM	0.051 mL	0.2548 mL	0.5096 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

Giovanni Cianchetta, et al. Pyruvate kinase activators for use in treating blood disorders. WO2019035863A1.

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