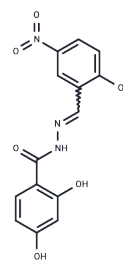


PKUMDL-WQ-2101

## Chemical Properties

CAS No. : 304481-72-9  
 Formula: C<sub>14</sub>H<sub>11</sub>N<sub>3</sub>O<sub>6</sub>  
 Molecular Weight: 317.25  
 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	PKUMDL-WQ-2101 is a selective allosteric inhibitor of phosphoglycerate dehydrogenase with anti-tumor activity.
Targets(IC50)	Dehydrogenase

## Solubility Information

Solubility	DMSO: 2 mg/mL (6.3 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1521 mL	15.7604 mL	31.5209 mL
5 mM	0.6304 mL	3.1521 mL	6.3042 mL
10 mM	0.3152 mL	1.576 mL	3.1521 mL
50 mM	0.063 mL	0.3152 mL	0.6304 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

Wang Q, et al. Rational Design of Selective Allosteric Inhibitors of PHGDH and Serine Synthesis with Anti-tumor Activity. Cell Chem Biol. 2017 Jan 19;24(1):55-65.

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

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