

## PHGDH-IN-2

## Chemical Properties

CAS No. :

Formula: C<sub>22</sub>H<sub>20</sub>N<sub>4</sub>O<sub>3</sub>S

Molecular Weight: 420.48

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	PHGDH-IN-2 is a potent NAD <sup>+</sup> -competitive PHGDH inhibitor (IC <sub>50</sub> : 5.2 μM) that exhibits inhibitory effects on the growth of PHGDH-dependent cancer cells and inhibits the serine synthesis pathway in [MDA-MB-468] cells.
Targets(IC <sub>50</sub> )	Others,Dehydrogenase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3782 mL	11.8912 mL	23.7823 mL
5 mM	0.4756 mL	2.3782 mL	4.7565 mL
10 mM	0.2378 mL	1.1891 mL	2.3782 mL
50 mM	0.0476 mL	0.2378 mL	0.4756 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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