

## Glutaminase C-IN-2

## Chemical Properties

CAS No. :

Formula: C<sub>24</sub>H<sub>23</sub>N<sub>7</sub>O<sub>2</sub>S

Molecular Weight: 473.55

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	Glutaminase C-IN-2 (compound 11), an allosteric inhibitor of glutaminase C (GAC), shows potent inhibitory activity with an IC <sub>50</sub> of 10.64 nM. By disrupting glutamine metabolism, it modulates cellular metabolites and elevates reactive oxygen species (ROS), exerting anticancer effects [1].
Targets(IC <sub>50</sub> )	Reactive Oxygen Species, Glutaminase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1117 mL	10.5585 mL	21.1171 mL
5 mM	0.4223 mL	2.1117 mL	4.2234 mL
10 mM	0.2112 mL	1.0559 mL	2.1117 mL
50 mM	0.0422 mL	0.2112 mL	0.4223 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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