

## NQO2-IN-1

## Chemical Properties

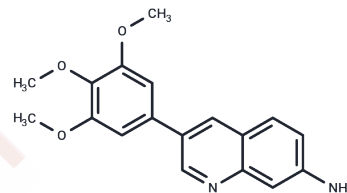
CAS No. : 2920687-14-3

Formula: C<sub>18</sub>H<sub>18</sub>N<sub>2</sub>O<sub>3</sub>

Molecular Weight: 310.35

Storage: Store at low temperature, Keep away from moisture  
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	NQO2-IN-1, a resveratrol analog, is a potent quinone oxidoreductase 2 (NQO2) inhibitor (IC <sub>50</sub> =95 nM) with antitumor potential through the generation of ROS and up-regulation of DR5 (death receptor 5) to reverse trial resistance and promote apoptosis.
Targets(IC <sub>50</sub> )	Apoptosis, NADPH, ROS

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2222 mL	16.1108 mL	32.2217 mL
5 mM	0.6444 mL	3.2222 mL	6.4443 mL
10 mM	0.3222 mL	1.6111 mL	3.2222 mL
50 mM	0.0644 mL	0.3222 mL	0.6444 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

Qi SJ, et al., Discovery of potent quinone oxidoreductase 2 inhibitors to overcome TRAIL resistance of non-small cell lung cancer. Eur J Med Chem. 2025 Feb 16;288:117382.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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