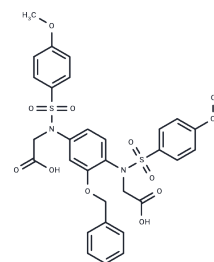


## Keap1-Nrf2-IN-9

## Chemical Properties

CAS No. :	2769963-24-6
Formula:	C31H30N2O11S2
Molecular Weight:	670.71
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	Keap1-Nrf2-IN-9 (compound 11) is a potent inhibitor of the Keap1-Nrf2 protein-protein interaction (PPI) with an IC50 value of 0.575 $\mu$ M, enhancing the expression of Nrf2 target genes such as heme oxygenase 1 (Hmox1), glutathione S-transferase P (GstP), and glutamate-cysteine ligase catalytic (Gclc) and modulatory (Gclm) subunits, while not being cytotoxic to ARPE19 cells [1].
Targets(IC50)	Others,Nrf2

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.491 mL	7.4548 mL	14.9096 mL
5 mM	0.2982 mL	1.491 mL	2.9819 mL
10 mM	0.1491 mL	0.7455 mL	1.491 mL
50 mM	0.0298 mL	0.1491 mL	0.2982 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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