

Nrf2/HO-1 activator 3

Chemical Properties

CAS No. :

Formula: C₂₇H₂₆N₂O₆

Molecular Weight: 474.51

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	Nrf2/HO-1 Activator 3 (Compound C3a) is an activator of the Nrf2 signaling pathway that facilitates the translocation of Nrf2 into the nucleus and enhances the expression of heme oxygenase-1 (HO-1). In H9c2 cardiomyocytes subjected to H ₂ O ₂ or high glucose stimulation, Nrf2/HO-1 Activator 3 inhibits the excessive expression of ROS and MDA, suppressing cell viability and colony formation, thereby exhibiting antioxidant activity.
Targets(IC50)	Reactive Oxygen Species,Nrf2,ROS

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1074 mL	10.5372 mL	21.0744 mL
5 mM	0.4215 mL	2.1074 mL	4.2149 mL
10 mM	0.2107 mL	1.0537 mL	2.1074 mL
50 mM	0.0421 mL	0.2107 mL	0.4215 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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