

Nrf2 activator 18

Chemical Properties

CAS No. :

Formula: C₂₃H₂₄FN₃O

Molecular Weight: 377.45

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 activator 18 (Compound 11a) is an orally active activator of the Keap1/Nrf2/HO-1 signaling pathway, promoting Nrf2 nuclear translocation and enhancing antioxidant effects. It inhibits IL-6 release with an IC ₅₀ of 4.816 μM. In a mouse model of PM _{2.5} -induced lung injury, Nrf2 activator 18 demonstrates anti-inflammatory activity.
Targets(IC ₅₀)	Others,Nrf2

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6494 mL	13.2468 mL	26.4936 mL
5 mM	0.5299 mL	2.6494 mL	5.2987 mL
10 mM	0.2649 mL	1.3247 mL	2.6494 mL
50 mM	0.053 mL	0.2649 mL	0.5299 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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