

Keap1-Nrf2-IN-25

Chemical Properties

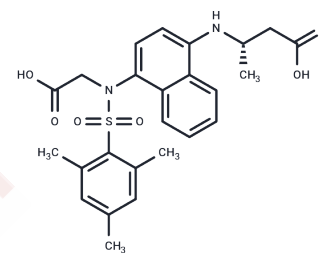
CAS No. :

Formula: C₂₅H₂₈N₂O₆S

Molecular Weight: 484.565

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-25 (Compound 19) is a potent Keap1-Nrf2 inhibitor with an IC ₅₀ of 0.55 μM and exhibits a Keap1 binding affinity (K _d of 0.50 μM). This compound activates Nrf2, reducing reactive oxygen species (ROS) and pro-inflammatory cytokines (IL-1β, IL-6). Additionally, Keap1-Nrf2-IN-25 provides protective effects against DSS-induced colitis.
Targets(IC ₅₀)	Reactive Oxygen Species,Nrf2,Interleukin,ROS

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0637 mL	10.3184 mL	20.6369 mL
5 mM	0.4127 mL	2.0637 mL	4.1274 mL
10 mM	0.2064 mL	1.0318 mL	2.0637 mL
50 mM	0.0413 mL	0.2064 mL	0.4127 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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