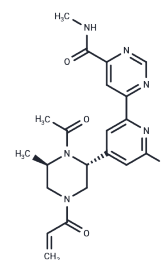


Keap1-IN-2

Chemical Properties

CAS No. :	3066895-41-5
Formula:	C ₂₁ H ₂₃ ClN ₆ O ₃
Molecular Weight:	442.90
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-IN-2 (Compound 164) is an inhibitor of KEAP1 with an IC ₅₀ of 2 nM. It indirectly activates Nrf2 by blocking KEAP1, thereby enhancing cellular antioxidant capacity. By preventing KEAP1-mediated degradation of Nrf2, Keap1-IN-2 promotes the accumulation and nuclear translocation of Nrf2. This compound is used in research on diseases related to oxidative stress, such as inflammatory bowel disease, Crohn's disease, and ulcerative colitis, which are immune-related conditions.
Targets(IC ₅₀)	Nrf2

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2578 mL	11.2892 mL	22.5785 mL
5 mM	0.4516 mL	2.2578 mL	4.5157 mL
10 mM	0.2258 mL	1.1289 mL	2.2578 mL
50 mM	0.0452 mL	0.2258 mL	0.4516 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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