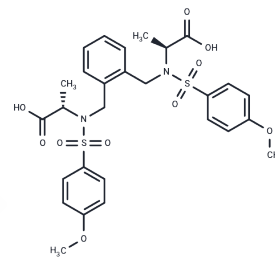


Keap1-Nrf2-IN-13

Chemical Properties

CAS No. :	2456294-92-9
Formula:	C ₂₈ H ₃₂ N ₂ O ₁₀ S ₂
Molecular Weight:	620.69
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-13 is a potent inhibitor of the Keap1-Nrf2 protein-protein interaction (PPI) with an IC ₅₀ value of 0.15 μM, indicating high efficacy. It binds strongly to Keap1 by forming hydrogen bonds with critical polar residues (Asn414, Arg415, Arg483, Gln530), showcasing specificity. This compound has implications for research into diseases associated with oxidative stress and inflammation, such as pulmonary fibrosis, chronic obstructive pulmonary disease (COPD), and cancers, due to its mechanism of action.
Targets(IC50)	Others,Nrf2

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6111 mL	8.0556 mL	16.1111 mL
5 mM	0.3222 mL	1.6111 mL	3.2222 mL
10 mM	0.1611 mL	0.8056 mL	1.6111 mL
50 mM	0.0322 mL	0.1611 mL	0.3222 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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