

PI3K δ -IN-12

Chemical Properties

CAS No. :

Formula: C₂₀H₁₅Cl₂N₅O₃

Molecular Weight: 444.27

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	PI3K δ -IN-12 (compound 13), a PI3K δ inhibitor with a pIC ₅₀ of 5.8, exhibits differential binding affinities with pK _i values of 8.0 for PI3K δ , 6.5 for PI3K γ , 6.4 for PI3K β , and 6.7 for PI3K α . This compound is used in researching chronic respiratory conditions, including asthma and chronic obstructive pulmonary disease (COPD) [1].
Targets(IC ₅₀)	PI3K

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2509 mL	11.2544 mL	22.5088 mL
5 mM	0.4502 mL	2.2509 mL	4.5018 mL
10 mM	0.2251 mL	1.1254 mL	2.2509 mL
50 mM	0.045 mL	0.2251 mL	0.4502 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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