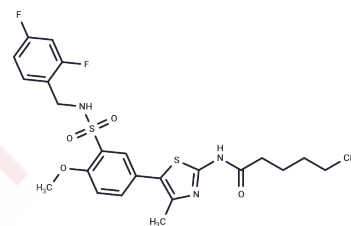


PI4KIII beta inhibitor 5

Chemical Properties

CAS No. :	3029506-23-5
Formula:	C ₂₄ H ₂₇ F ₂ N ₃ O ₄ S ₂
Molecular Weight:	523.616
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	PI4KIII beta inhibitor 5 (Compound 43) is an inhibitor of PI4KIIIβ with an IC ₅₀ of 19 nM. By inhibiting the PI3K/AKT pathway, it induces apoptosis in cancer cells, causes cell cycle arrest at the G ₂ /M phase, and promotes autophagy. Additionally, PI4KIII beta inhibitor 5 demonstrates significant anti-tumor activity in the H446 small cell lung cancer xenograft model. This compound is applicable in cancer research studies.
Targets(IC ₅₀)	PI4K

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9098 mL	9.5489 mL	19.0978 mL
5 mM	0.382 mL	1.9098 mL	3.8196 mL
10 mM	0.191 mL	0.9549 mL	1.9098 mL
50 mM	0.0382 mL	0.191 mL	0.382 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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