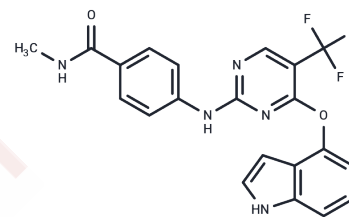


FAK-IN-22

Chemical Properties

CAS No. :	2703920-02-7
Formula:	C ₂₁ H ₁₆ F ₃ N ₅ O ₂
Molecular Weight:	427.38
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	FAK-IN-22 (Compound 26) is an inhibitor of FAK, JAK3, and Aurora B, with IC ₅₀ values of 50.94 nM, 9.99 nM, and 0.49 nM, respectively, effectively suppressing tumorigenesis and metastasis in pancreatic ductal adenocarcinoma (PDAC). It inhibits proliferation in PANC-1 cells with an IC ₅₀ of 0.15 μM. FAK-IN-22 induces apoptosis and G2/M phase arrest in PANC-1 cells by inhibiting the FAK/PI3K/Akt signaling pathway.
Targets(IC ₅₀)	Apoptosis,FAK,Akt,Aurora Kinase,JAK,PI3K

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3398 mL	11.6992 mL	23.3984 mL
5 mM	0.468 mL	2.3398 mL	4.6797 mL
10 mM	0.234 mL	1.1699 mL	2.3398 mL
50 mM	0.0468 mL	0.234 mL	0.468 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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