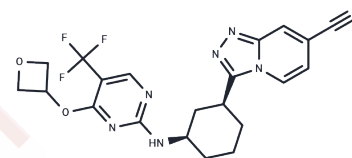


CDK12-IN-8

Chemical Properties

CAS No. :	2928619-86-5
Formula:	C ₂₁ H ₂₀ F ₃ N ₇ O ₂
Molecular Weight:	459.42
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	CDK12-IN-8 (Compound Cpd143) is an orally active, highly selective inhibitor of cyclin-dependent kinase 12 (CDK12). It blocks the phosphorylation of serine 2 in the C-terminal domain (CTD) of RNA polymerase II, thereby interfering with gene transcription elongation and DNA damage repair pathways. CDK12-IN-8 holds potential for research in cancers with high CDK12 expression, such as small cell lung cancer and triple-negative breast cancer.
Targets(IC50)	CDK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1767 mL	10.8833 mL	21.7666 mL
5 mM	0.4353 mL	2.1767 mL	4.3533 mL
10 mM	0.2177 mL	1.0883 mL	2.1767 mL
50 mM	0.0435 mL	0.2177 mL	0.4353 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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