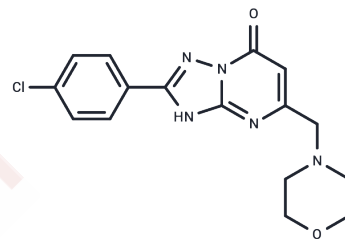


Tyk2-IN-22

Chemical Properties

CAS No. :	933667-23-3
Formula:	C ₁₆ H ₁₆ ClN ₅ O ₂
Molecular Weight:	345.78
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	Tyk2-IN-22 (Compound A8) is a selective inhibitor of tyrosine kinase 2 (Tyk2), effectively inhibiting Tyk2, JAK1, and JAK3 with IC ₅₀ values of 9.7 nM, 148.6 nM, and 883.3 nM, respectively. Additionally, Tyk2-IN-22 suppresses downstream STAT5 phosphorylation.
Targets(IC ₅₀)	JAK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.892 mL	14.4601 mL	28.9201 mL
5 mM	0.5784 mL	2.892 mL	5.784 mL
10 mM	0.2892 mL	1.446 mL	2.892 mL
50 mM	0.0578 mL	0.2892 mL	0.5784 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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