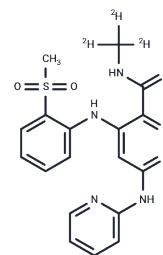


Tyk2-IN-7

Chemical Properties

CAS No. :	1609391-90-3
Formula:	C ₁₈ H ₁₅ D ₃ N ₆ O ₃ S
Molecular Weight:	401.46
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-7 is an inhibitor of TYK2 JH2, binds to the TYK2 JH2 domain (IC ₅₀ : 0.00053 μM; Ki, app: 0.00007 μM).
Targets(IC ₅₀)	JAK
In vivo	Tyk2-IN-7 inhibits TYK2/JAK1/JAK2 kinase domain. Tyk2-IN-7 (Compound 48) provides robust inhibition in a mouse IL-12-induced IFN γ pharmacodynamic model as well as efficacy in an IL-23 and IL-12-dependent mouse colitis model.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4909 mL	12.4545 mL	24.9091 mL
5 mM	0.4982 mL	2.4909 mL	4.9818 mL
10 mM	0.2491 mL	1.2455 mL	2.4909 mL
50 mM	0.0498 mL	0.2491 mL	0.4982 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.

Reference

Moslin R, et al. Identification of N-Methyl Nicotinamide and N-Methyl Pyridazine-3-Carboxamide Pseudokinase Domain Ligands as Highly Selective Allosteric Inhibitors of Tyrosine Kinase 2 (TYK2). J Med Chem. 2019 Jul 17.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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