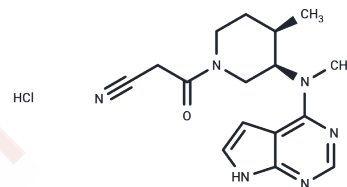


Tofacitinib HCl

Chemical Properties

CAS No. :	1803005-18-6
Formula:	C ₁₆ H ₂₁ ClN ₆ O
Molecular Weight:	348.835
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	Tofacitinib HCl, also known as tasocitinib, CP-690550, is a Janus kinase (JAK) inhibitor. Tofacitinib HCl modulates the signaling pathway at the point of JAKs, preventing the phosphorylation and activation of STATs. JAK enzymes transmit cytokine signaling through pairing of JAKs (e.g., JAK1/JAK3, JAK1/JAK2, JAK1/TyK2, JAK2/JAK2). Tofacitinib HCl inhibited the in vitro activities of JAK1/JAK2, JAK1/JAK3, and JAK2/JAK2 combinations with IC ₅₀ of 406, 56, and 1377 nM, respectively.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8666 mL	14.3332 mL	28.6664 mL
5 mM	0.5733 mL	2.8666 mL	5.7333 mL
10 mM	0.2867 mL	1.4333 mL	2.8666 mL
50 mM	0.0573 mL	0.2867 mL	0.5733 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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