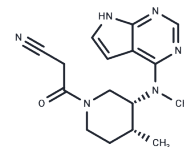
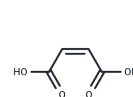


## Tofacitinib maleate

## Chemical Properties

CAS No. :	2052885-67-1
Formula:	C <sub>16</sub> H <sub>20</sub> N <sub>6</sub> O <sub>4</sub>
Molecular Weight:	428.449
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 maleate, also known as tasocitinib, CP-690550, is a Janus kinase (JAK) inhibitor. Tofacitinib maleate 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 maleate inhibited the in vitro activities of JAK1/JAK2, JAK1/JAK3, and JAK2/JAK2 combinations with IC <sub>50</sub> of 406, 56, and 1377 nM, respectively.
Targets(IC <sub>50</sub> )	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.334 mL	11.670 mL	23.3399 mL
5 mM	0.4668 mL	2.334 mL	4.668 mL
10 mM	0.2334 mL	1.167 mL	2.334 mL
50 mM	0.0467 mL	0.2334 mL	0.4668 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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