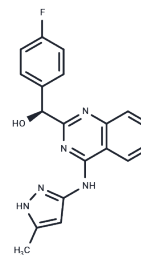


AC430

## Chemical Properties

CAS No. : 1361415-84-0  
 Formula: C<sub>19</sub>H<sub>16</sub>FN<sub>5</sub>O  
 Molecular Weight: 349.36  
 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	AC430 is a potent and specific small molecule inhibitor of janus kinase 2 (JAK2), which has been implicated as a target for therapy in both oncology and autoimmune disease. AC430 is currently being developed by Ambit. In preclinical studies, AC430 has exhibited potency against JAK2 and V617F mutated JAK2 in cell-based models that is at least equivalent to, and in most cases superior to, competing JAK2 inhibitors. In preclinical oncology and autoimmune models, AC430 is well tolerated and has significant efficacy at oral doses as low as 10 mg/kg/day.
Targets(IC50)	Others,JAK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8624 mL	14.3119 mL	28.6238 mL
5 mM	0.5725 mL	2.8624 mL	5.7248 mL
10 mM	0.2862 mL	1.4312 mL	2.8624 mL
50 mM	0.0572 mL	0.2862 mL	0.5725 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**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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