

JAK05

## Chemical Properties

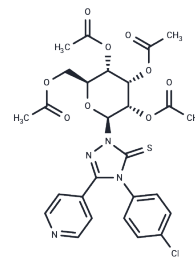
CAS No. :

Formula: C<sub>27</sub>H<sub>27</sub>ClN<sub>4</sub>O<sub>9</sub>S

Molecular Weight: 619.043

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	JAK05 exhibits inhibitory activity against Helicobacter pylori, effectively suppressing strains J63, J196, and J107, with a MIC of 3-5 µg/mL. It shows affinity for binding to H <sup>+</sup> /K <sup>+</sup> -ATPase, COX-1/2, TNF-α, and PGE <sub>2</sub> , and possesses antioxidant and anti-inflammatory properties. In a rat model of ethanol-induced gastric ulcers, JAK05 demonstrates anti-ulcer activity.
Targets(IC50)	ATPase, Antibacterial, COX, Prostaglandin Receptor, TNF

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6154 mL	8.077 mL	16.154 mL
5 mM	0.3231 mL	1.6154 mL	3.2308 mL
10 mM	0.1615 mL	0.8077 mL	1.6154 mL
50 mM	0.0323 mL	0.1615 mL	0.3231 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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