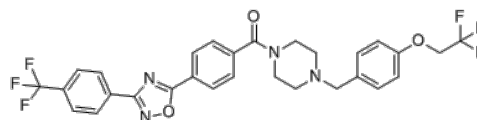


**Product Name** : HP590  
**Cat. No.** : PC-20357  
**CAS No.** : 2971855-37-3  
**Molecular Formula** : C<sub>29</sub>H<sub>24</sub>F<sub>6</sub>N<sub>4</sub>O<sub>3</sub>  
**Molecular Weight** : 590.53  
**Target** : STAT  
**Solubility** : 10 mM in DMSO



### Biological Activity

HP590 (HP 590) is a highly potent, and orally bioavailable **STAT3** inhibitor with IC<sub>50</sub> of 27.8 nM, inhibits IL-6 induced of the p-STAT3 Tyr705 and p-Ser727 activation in GC cells with lower nanomolar inhibitory activity. HP590 selectively targets STAT3 to remarkably inhibit its canonical and noncanonical activation and corresponding biological functions, thereby resulting in the growth inhibition of gastric cancer in vitro and in vivo.

### References

Peng He, et al. *J Med Chem*. 2022 Oct 13;65(19):12650-12674.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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