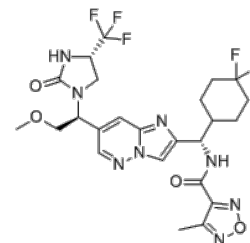


**Product Name** : LY3509754  
**Cat. No.** : PC-21800  
**CAS No.** : 2452464-73-0  
**Molecular Formula** : C<sub>24</sub>H<sub>27</sub>F<sub>5</sub>N<sub>8</sub>O<sub>4</sub>  
**Molecular Weight** : 586.52  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO

1. Velicky J, et al. *J Med Chem*. 2024 Sep 26;67(18):16692-16711.



CAS: 2452464-73-0

## Biological Activity

LY3509754 is a potent, selective and oral small molecule inhibitor of **IL-17A** with high binding potency (K<sub>D</sub>=2.14 nM), dose-dependently prevents human IL-17A and IL-17AF from binding human IL-17RA.

LY3509754 displays no inhibition of IL-17C, IL-17E, or IL-17F interacting with their cognate receptors. LY3509754 dose-dependently inhibits IL-17A-induced CXCL1/GROα (IL-8 for canine) in primary or cell lines from species of interest (in human keratinocytes, IC<sub>50</sub>=8.25 nM; plasma protein binding-adjusted geomean, IC<sub>50</sub>=3.67 nM).

LY3509754 shows potential effect for treatment of psoriasis and other immune-mediated diseases.

## References

