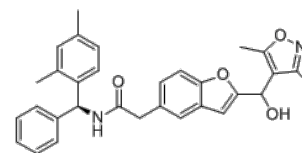


**Product Name** : TMP778  
**Cat. No.** : PC-60454  
**CAS No.** : 1422171-08-1  
**Molecular Formula** : C<sub>31</sub>H<sub>30</sub>N<sub>2</sub>O<sub>4</sub>  
**Molecular Weight** : 494.591  
**Target** : ROR  
**Solubility** :



## Biological Activity

TMP778 (TMP-778) is a potent, selective **ROR $\gamma$ t** inhibitor with IC<sub>50</sub> of 7 nM in FRET assays and 63 nM in IL-17 promoter assays, with no inverse agonist activity; blocks human Th17 and Tc17 cell differentiation and also acutely modulates IL-17A production and inflammatory Th17-signature gene expression (IL17a, IL17f, IL22, IL26, CCR6, and IL23) in mature human Th17 effector/memory T cells; inhibits IL-17A production in both human and mouse  $\gamma\delta$  T cells, also inhibits IL-23-induced IL-17A production; attenuates IMQ-induced skin inflammation in vivo.

## References

- Skepner J, et al. *J Immunol.* 2014 Mar 15;192(6):2564-75.  
Xiao S, et al. *Immunity.* 2014 Apr 17;40(4):477-89.  
Skepner J, et al. *Immunology.* 2015 Jul;145(3):347-56.  
Forcade E, et al. *JCI Insight.* 2017 Jun 15;2(12). pii: 92111.

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

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