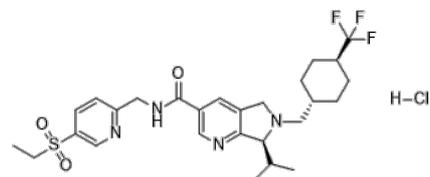


**Product Name** : Vimirogant hydrochloride  
**Cat. No.** : PC-26233  
**CAS No.** : 1802678-42-7  
**Molecular Formula** : C<sub>27</sub>H<sub>35</sub>F<sub>3</sub>N<sub>4</sub>O<sub>3</sub>S.xHCl  
**Molecular Weight** :  
**Target** : ROR  
**Solubility** : 10 mM in DMSO



## Biological Activity

Vimirogant hydrochloride (VTP-43742) is a highly potent, selective, oral ROR $\gamma$ t inverse agonist with K<sub>i</sub>/IC<sub>50</sub> of 3.5/17 nM respectively.

VTP-43742 exhibits >1,000-fold selectivity versus the ROR $\alpha$  and ROR $\beta$ .

VTP-43742 inhibits Th17 differentiation and IL-17A secretion from mouse splenocytes (IC<sub>50</sub>=57 nM) without affecting Th1, Th2, or Treg cell differentiation.

VTP-43742 inhibits the secretion of IL-17A from activated hPBMCs (IC<sub>50</sub>=18 nM) and human whole blood (IC<sub>50</sub>=192 nM).

VTP-43742 shows potential for the treatment of autoimmune disorders, including multiple sclerosis and psoriasis.

## References

Pandya VB, et al. J Med Chem. 2018 Jul 16. doi: 10.1021/acs.jmedchem.8b00588.

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

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