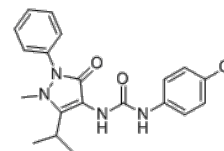


**Product Name** : FPR agonist Compound 43  
**Cat. No.** : PC-72086  
**CAS No.** : 903895-98-7  
**Molecular Formula** : C<sub>20</sub>H<sub>21</sub>ClN<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 384.864  
**Target** : Formyl peptide receptor (FPR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

FPR agonist Compound 43 is a potent agonist of human formyl-peptide-like 1 receptor (**hFPRL1**, FPR2) with EC<sub>50</sub> of 44 nM (hFPRL1-mediated Ca<sup>2+</sup> mobilization).

FPR agonist Compound 43 inhibited neutrophil (PMN) migration with IC<sub>50</sub> of 1 μM.

FPR agonist Compound 43 showed a dose-dependent inhibition of ear swelling in mice following oral administration.

## References

Cheng Xue Qin, et al. *Nat Commun.* 2017 Feb 7;8:14232.

Agostino Cilibrizzi, et al. *J Med Chem.* 2009 Aug 27;52(16):5044-57.

Crocetti L, et al. *Molecules.* 2021 Oct 30;26(21):6583.

Roland W Bürli, et al. *Bioorg Med Chem Lett.* 2006 Jul 15;16(14):3713-8.

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

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