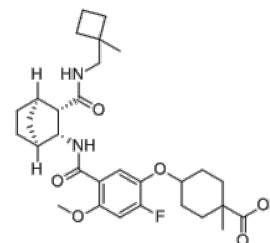


**Product Name** : AZD5462  
**Cat. No.** : PC-49353  
**CAS No.** : 2787501-83-9  
**Molecular Formula** : C<sub>30</sub>H<sub>41</sub>N<sub>2</sub>O<sub>6</sub>  
**Molecular Weight** : 544.664  
**Target** : Relaxin Receptor  
**Solubility** : 10 mM in DMSO

1. Granberg KL, et al. *J Med Chem.* 2024 Mar 19. doi:



## Biological Activity

AZD5462 (AZD-5462) is a selective, allosteric, oral agonist of the Relaxin family peptide receptor 1 (**RXFP1**) with pEC<sub>50</sub> of 7.8 (hRXFP1).

AZD5462 shows EC<sub>50</sub> of 5.31 and 6.3 for Rat (rRXFP1cAMP) and mouse (muRXFP1cAMP) respectively.

AZD5462 displays >7 600-fold over class A human GPCRs (LGR4, LGR5, LGR6, LSHR (LHCGR), FSHR, TSHR and RXFP2) at Discovery X.

AZD5462 stimulates ERK phosphorylation in cells recombinantly expressing hRXFP1.

AZD5462 exhibits robust improvements in functional cardiac parameters in translatable cynomolgus monkey heart failure model.

## References

10.1021/acs.jmedchem.3c02184.

