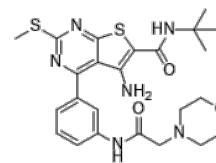


**Product Name** : Org43553  
**Cat. No.** : PC-26422  
**CAS No.** : 501444-88-8  
**Molecular Formula** : C<sub>24</sub>H<sub>30</sub>N<sub>6</sub>O<sub>3</sub>S<sub>2</sub>  
**Molecular Weight** : 514.66  
**Target** : Luteinizing Hormone Receptor (LHR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

Org 43553 (Org43553) is a selective allosteric agonist of luteinizing hormone-choriogonadotropin receptor (LHCGR, LHR) with EC<sub>50</sub> of 4.7 nM.

Org 43553 interacts with the endodomain of the LHR, whereas LH acts via the N-terminal exodomain.

Org 43553 inhibits luteinizing hormone (LH)-induced phospholipase C (PLC) with IC<sub>50</sub> of 10 nM.

## References

Duan J, et al. Nature. 2021 Oct;598(7882):688-692.

van Koppen, C. J. et al. Naunyn Schmiedebergs Arch. Pharmacol. 378, 503–514 (2008).

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

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