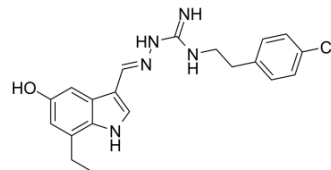


RXFP3/4 agonist 1

| | |
|--------------------|---|
| Cat. No.: | HY-111583 |
| Molecular Formula: | C ₂₀ H ₂₂ ClN ₅ O |
| Molecular Weight: | 383.87 |
| Target: | Others |
| Pathway: | Others |
| Storage: | Please store the product under the recommended conditions in the COA. |



BIOLOGICAL ACTIVITY

| | |
|---------------------------|--|
| Description | RXFP3/4 agonist 1 is an agonist of relaxin family peptide 3/4 receptor (RXFP3/4), with EC ₅₀ s of 82/2 nM, respectively. RXFP3/4 agonist 1 increases food intake in rats ^[1] . |
| IC ₅₀ & Target | EC ₅₀ : 82 nM (RXFP3), 2 nM (RXFP4) ^[1] |
| In Vitro | RXFP3/4 agonist 1 (Compound 4) inhibits orskolin-stimulated cAMP accumulation in CHO-K1 cells stably overexpressing RXFP3 and RXFP4, with EC ₅₀ s of 12.8 and 1.6 nM, respectively ^[1] . |

REFERENCES

[1]. DeChristopher B, et al. Discovery of a small molecule RXFP3/4 agonist that increases food intake in rats upon acute central administration. *Bioorg Med Chem Lett.* 2019 Apr 15;29(8):991-994.

Caution: Product has not been fully validated for medical applications. For research use only.

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