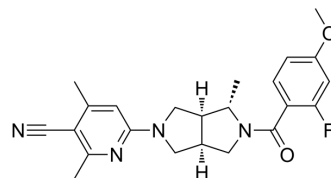


Orexin receptor antagonist 4

| | |
|--------------------|---|
| Cat. No.: | HY-146517 |
| CAS No.: | 2251017-69-1 |
| Molecular Formula: | C ₂₃ H ₂₅ FN ₄ O ₂ |
| Molecular Weight: | 408.47 |
| Target: | Orexin Receptor (OX Receptor) |
| Pathway: | GPCR/G Protein; Neuronal Signaling |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | | |
|-------------------------------------|--|--|
| Description | Orexin receptor antagonist 4 is potent and selective orexin 2 receptor (OX2R) antagonist with an IC ₅₀ of 4.27 nM. Orexin receptor antagonist 4 is 61-fold selective for the OX2R over the OX1R (IC ₅₀ of 295 nM) (WO2018206959A1; example 1) ^[1] . | |
| IC₅₀ & Target | OX ₂ Receptor 4.27 nM (IC ₅₀) | OX ₁ Receptor 295 nM (IC ₅₀) |

REFERENCES

[1]. David Sheppard, et al. Orexin receptor antagonists. WO2018206959A1

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

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