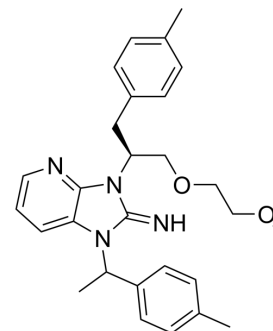


OX2R-IN-2

Cat. No.:	HY-163276
Molecular Formula:	C ₂₈ H ₃₄ N ₄ O ₂
Molecular Weight:	458.6
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	OX2R-IN-2 (compound 63c) is an agonist for orexin receptor type 2 (OX2R) with EC ₅₀ of 339 nM. OX2R-IN-2 is able to cross the blood-brain barrier and exhibits no cytotoxicity in cells ^[1]
IC ₅₀ & Target	OX ₂ Receptor 339 nM (EC50)

REFERENCES

[1]. Wang W, et al., Novel orexin receptor agonists based on arene- or pyridine-fused 1,3-dihydro-2H-imidazole-2-imines. *Bioorg Med Chem Lett*. 2024 Feb 1;99:129624.

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

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