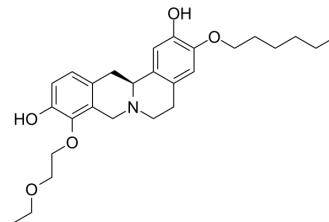


D3R ligand 1

Cat. No.:	HY-149337
CAS No.:	2983777-91-7
Molecular Formula:	C ₂₇ H ₃₇ NO ₅
Molecular Weight:	455.59
Target:	Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	D3R ligand 1 (compound 23b) is a potent and selective ligand of dopamine receptor D3R (K _i =66 nM), containing a THPB template. D3R ligand 1 is also an antagonist for both G-protein- and β-arrestin-based signaling ^[1] .
IC ₅₀ & Target	D ₃ Receptor 66 nM (K _i)

REFERENCES

[1]. Namballa HK, et al. Discovery of Selective Dopamine Receptor Ligands Derived from (-)-Stepholidine via C-3 Alkoxylation and C-3/C-9 Dialkoxylation. J Med Chem. 2023 Jul 8.

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

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