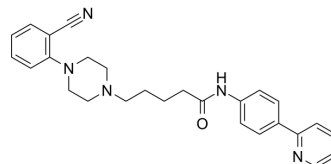


## Dopamine D3 receptor ligand-1

Cat. No.:	HY-115953
CAS No.:	2882828-93-3
Molecular Formula:	C <sub>27</sub> H <sub>29</sub> N <sub>5</sub> O
Molecular Weight:	439.55
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	Dopamine D <sub>3</sub> receptor ligand is a potent, selective and high affinity ligand for Dopamine D <sub>3</sub> receptor with 89-fold selective for D <sub>3</sub> over D <sub>2</sub> (D <sub>3</sub> K <sub>i</sub> = 8 nM, D <sub>2</sub> K <sub>i</sub> = 715 nM) <sup>[1]</sup> .	
IC <sub>50</sub> & Target	D <sub>3</sub> Receptor 8 nM (K <sub>i</sub> )	D <sub>2</sub> Receptor 715 nM (K <sub>i</sub> )

### REFERENCES

[1]. Blass, B.E., Chen, P.J., Taylor, M. et al. Design, synthesis, and evaluation of functionalized 5-(4-aryl piperazin-1-yl)-N-quinoliny-pentanamides as selective dopamine D<sub>3</sub> receptor ligands. Med Chem Res (2022).

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

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