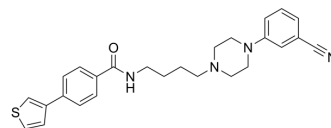


Dopamine D3 receptor ligand-4

Cat. No.:	HY-115968
CAS No.:	2376333-77-4
Molecular Formula:	C ₂₆ H ₂₈ N ₄ O ₅
Molecular Weight:	444.59
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	Dopamine D3 receptor ligand-4 (compound 6) is a potent and selective dopamine D ₃ receptor ligand, with a K _i of 0.5 nM. Dopamine D3 receptor ligand-4 shows high level of selectivity for D ₃ over D ₂ (K _i =7.43 nM) ^[1] .	
IC ₅₀ & Target	D ₃ Receptor 0.5 nM (K _i)	D ₂ Receptor 7.43 nM (K _i)

REFERENCES

[1]. Blass BE, et al. Design, synthesis, and evaluation of functionalized 5-(4-arylpiperazin-1-yl)-N-arylpentanamides as selective dopamine D₃ receptor ligands. Med Chem Res 31, 132-145 (2022).

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA