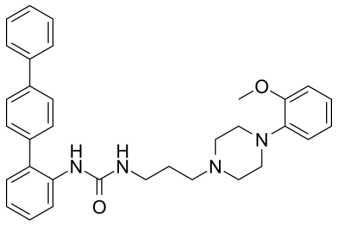
FGH31

Cat. No.:	HY-155099
Molecular Formula:	$C_{33}H_{36}N_4O_2$
Molecular Weight:	520.66
Target:	Dopamine Receptor; Arrestin; G Protein-coupled Receptor Kinase (GRK)
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	FGH31 (Compound 24) is a potent, selective, GRK2 dependency dopamine D4 agonist, with the K_i of 1.6 nM. FGH31 partial activates β- arrestin[1].
IC_{50} & Target	Dopamine D4 receptor 1.6 nM (Ki)
In Vitro	FGH31 (Compound 24) (50 μM) decreases at a similar rate as Imipramine (HY-B1490A) in rat liver microsomes[1]. FGH31 (50 μM, 4 h) shows no significant transport by P-glycoprotein (P-gp) in Caco-2 cells[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Graßl F, et al. Exploring Structural Determinants of Bias among D4 Subtype-Selective Dopamine Receptor Agonists. J Med Chem. 2023;66(14):9710-9730. doi:10.1021/acs.jmedchem.3c00537

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