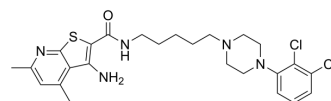


Dopamine D2 receptor agonist-2

Cat. No.:	HY-151515
CAS No.:	1610591-93-9
Molecular Formula:	C ₂₅ H ₃₁ Cl ₂ N ₅ OS
Molecular Weight:	520.52
Target:	Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (192.12 mM; ultrasonic and warming and heat to 60°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.9212 mL	9.6058 mL	19.2116 mL
	5 mM	0.3842 mL	1.9212 mL	3.8423 mL
	10 mM	0.1921 mL	0.9606 mL	1.9212 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Dopamine D2 receptor agonist-2 (compound 36) is a potent dopamine D₂ receptor biased agonism ligand with an K_i value of 11.2 nM. Dopamine D2 receptor agonist-2 can be used to research antipsychosis^[1].

IC₅₀ & Target

K_i: 11.2 nM (dopamine D₂ receptor)^[1]

REFERENCES

[1]. Szabo M, et al. Structure-activity relationships of privileged structures lead to the discovery of novel biased ligands at the dopamine D₂ receptor. J Med Chem. 2014 Jun 12;57(11):4924-39.

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

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