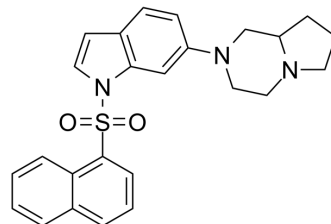


NPS ALX Compound 4a

Cat. No.:	HY-103090		
CAS No.:	299433-10-6		
Molecular Formula:	C ₂₅ H ₂₅ N ₃ O ₂ S		
Molecular Weight:	431.55		
Target:	5-HT Receptor		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	NPS ALX Compound 4a is a potent and selective 5-hydroxytryptamine ₆ (5-HT ₆) receptor antagonist, with an IC ₅₀ of 7.2 nM and a K _i of 0.2 nM ^[1] .	
IC₅₀ & Target	5-HT ₆ Receptor 7.2 nM (IC ₅₀)	5-HT ₆ Receptor 0.2 nM (K _i)

REFERENCES

[1]. Isaac M, et al. 6-Bicyclopiperazinyl-1-arylsulfonylindoles and 6-bicyclopiperidinyl-1-arylsulfonylindoles derivatives as novel, potent, and selective 5-HT₆ receptor antagonists. *Bioorg Med Chem Lett.* 2000 Aug 7;10(15):1719-21.

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

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