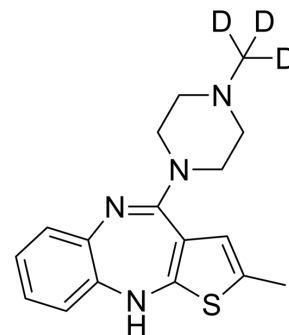


Olanzapine-d₃

Cat. No.:	HY-14541S		
CAS No.:	786686-79-1		
Molecular Formula:	C ₁₇ H ₁₇ D ₃ N ₄ S		
Molecular Weight:	315.45		
Target:	5-HT Receptor; Dopamine Receptor; Autophagy; Mitophagy; mAChR; Adrenergic Receptor; Apoptosis		
Pathway:	GPCR/G Protein; Neuronal Signaling; Autophagy; Apoptosis		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	Olanzapine-d ₃ is the deuterium labeled Olanzapine. Olanzapine is a selective, orally active monoaminergic antagonist with high affinity binding to serotonin H1, 5HT2A/2C, 5HT3, 5HT6 (K _i =7, 4, 11, 57, and 5 nM, respectively), dopamine D1-4 (K _i =11 to 31 nM), muscarinic M1-5 (K _i =1.9-25 nM), and adrenergic α1 receptors (K _i =19 nM). Olanzapine is an atypical antipsychotic[1][2].		
IC₅₀ & Target	D ₃ Receptor	mAChR1	

REFERENCES

[1]. APPROVED AGREED-UPON LABELING.

[2]. Olanzapine for Injection, powder, for solution for intramuscular use.

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

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