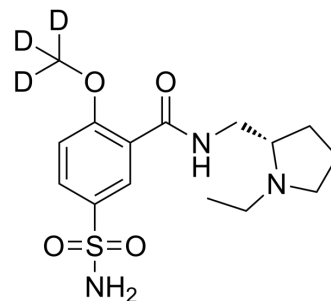


Levosulpiride-d₃

Cat. No.:	HY-B1059S		
CAS No.:	124020-27-5		
Molecular Formula:	C ₁₅ H ₂₀ D ₃ N ₃ O ₄ S		
Molecular Weight:	344.44		
Target:	Dopamine Receptor; Isotope-Labeled Compounds		
Pathway:	GPCR/G Protein; Neuronal Signaling; Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	Levosulpiride-d ₃ is the deuterium labeled Levosulpiride. Levosulpiride (RV-12309) is the (S)-enantiomer of sulpiride, which is a D ₂ receptor antagonist, an atypical antipsychotic agent of the benzamide class ^{[1][2]} .
IC₅₀ & Target	D ₃ Receptor
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019;53(2):211-216.
- [2]. Triebel J, et al. From Bench to Bedside: Translating the Prolactin/Vasoinhibin Axis. *Front Endocrinol (Lausanne)*. 2017;8:342. Published 2017 Dec 11.

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

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