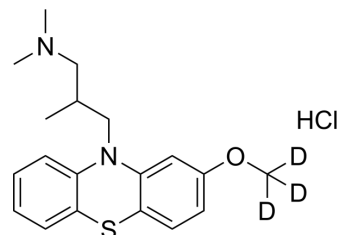


(Rac)-Levomepromazine-d₃ hydrochloride

Cat. No.:	HY-19489S1
CAS No.:	1216745-60-6
Molecular Formula:	C ₁₉ H ₂₂ D ₃ ClN ₂ OS
Molecular Weight:	367.95
Target:	Dopamine Receptor; Histamine Receptor; Isotope-Labeled Compounds
Pathway:	GPCR/G Protein; Neuronal Signaling; Immunology/Inflammation; Others
Storage:	-20°C, stored under nitrogen, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



BIOLOGICAL ACTIVITY

Description	(Rac)-Levomepromazine-d ₃ (hydrochloride) is a labelled racemic Methotrimeprazine, which is a phenothiazine which has antagonist actions at multiple neurotransmitter receptor sites, including dopaminergic, cholinergic, serotonin and histamine receptors[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.

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

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