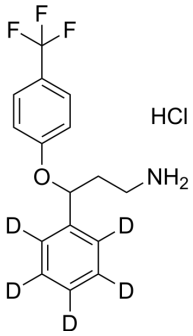
Norfluoxetine-d_5 hydrochloride

Cat. No.:	HY-W011235S
CAS No.:	1188265-34-0
Molecular Formula:	$C_{16}H_{12}D_5ClF_3NO$
Molecular Weight:	336.79
Target:	Calcium Channel; 5-HT Receptor; Drug Metabolite; Isotope-Labeled Compounds
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling; GPCR/G Protein; Metabolic Enzyme/Protease; Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



BIOLOGICAL ACTIVITY

Description	Norfluoxetine-d_5 (hydrochloride) is deuterium labeled 3-Phenyl-3-(4-(trifluoromethyl)phenoxy)propan-1-amine hydrochloride.
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.

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