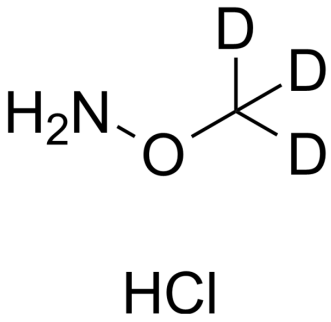
Methoxyamine-d_3 Hydrochloride

Cat. No.:	HY-Y0958S
CAS No.:	110220-55-8
Molecular Formula:	CH_3D_3ClNO
Molecular Weight:	86.54
Target:	Isotope-Labeled Compounds; DNA/RNA Synthesis; Apoptosis
Pathway:	Others; Cell Cycle/DNA Damage; Apoptosis
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



BIOLOGICAL ACTIVITY

Description	Methoxyamine-d3 (O-Methylhydroxylamine-d3) hydrochloride is the deuterium labeled Methoxyamine hydrochloride. Methoxyamine hydrochloride is an orally active and potent base excision repair (BER) inhibitor[1].
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. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Sameer Agnihotri, et al. ATM regulates 3-methylpurine-DNA glycosylase and promotes therapeutic resistance to alkylating agents. Cancer Discov. 2014 Oct;4(10):1198-213.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA