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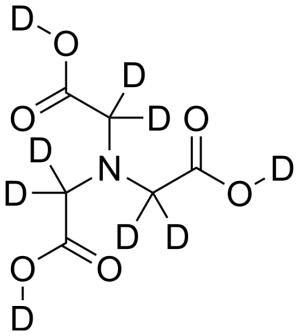
Nitrilotriacetic acid-d_9

Cat. No.:	HY-W030778S
CAS No.:	807630-34-8
Molecular Formula:	$C_6D_9NO_6$
Molecular Weight:	200.19
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Nitrilotriacetic acid-d_9 is the deuterium labeled Nitrilotriacetic acid[1]. Nitrilotriacetic acid is an aminotricarboxylic acid. Nitrilotriacetic acid can be used as a chelating agent, forming coordination compounds with metal ions[2].
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 Feb;53(2):211-216.

[2]. Anderson RL, et al. A review of the environmental and mammalian toxicology of nitrilotriacetic acid. Crit Rev Toxicol. 1985;15(1):1-102.

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