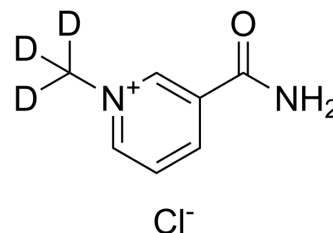


TRIA-662-d₃

Cat. No.:	HY-113527S
CAS No.:	1218993-18-0
Molecular Formula:	C ₇ H ₆ D ₃ ClN ₂ O
Molecular Weight:	175.63
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	TRIA-662-d ₃ is the deuterium labeled TRIA-662[1]. TRIA-662 (1-Methylnicotinamide chloride) is an endogenous metabolite. TRIA-662 shows antithrombotic and anti-inflammatory activities[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]. A M Kolodziejczyk, et al. Nanomechanical sensing of the endothelial cell response to anti-inflammatory action of 1-methylnicotinamide chloride. *Int J Nanomedicine*. 2013;8:2757-67.

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

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