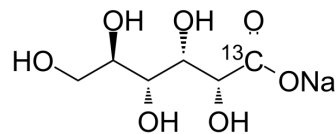


Gluconate-1-13C sodium

Cat. No.:	HY-B1092AS
CAS No.:	2687959-99-3
Molecular Formula:	C ₅ ¹³ CH ₁₁ NaO ₇
Molecular Weight:	219.13
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Gluconate-1-13C sodium is the 13C labeled Gluconate sodium ^{[1][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]. R Tourir, et al. Sodium gluconate as corrosion and scale inhibitor of ordinary steel in simulated cooling water. *Corrosion Science* Volume 50, Issue 6, June 2008, Pages 1530-1537

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

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