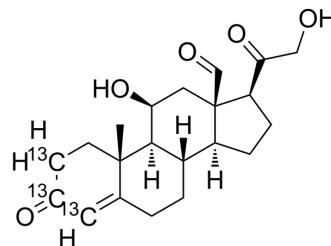


Aldosterone-13C3

Cat. No.:	HY-W751098
Molecular Formula:	C ₁₈ ¹³ C ₃ H ₂₈ O ₅
Molecular Weight:	363.42
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Aldosterone- ¹³ C ₃ is a ¹³ C-labeled Aldosterone (HY-113313). Aldosterone is a primary mineralocorticoid and steroid hormone.
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]. Nanba K, et al. Aging and Adrenal Aldosterone Production. *Hypertension*. 2018 Feb;71(2):218-223.
- [2]. Cannavo A, et al. Aldosterone and Mineralocorticoid Receptor System in Cardiovascular Physiology and Pathophysiology. *Oxid Med Cell Longev*. 2018 Sep 19;2018:1204598.
- [3]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.

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

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