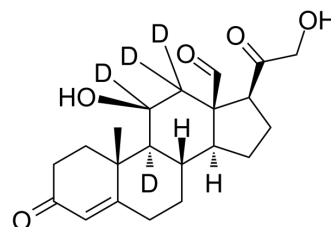


Aldosterone-d4

Cat. No.:	HY-113313S2
Molecular Formula:	C ₂₁ H ₂₄ D ₄ O ₅
Molecular Weight:	364.47
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Aldosterone-d4 is the deuterium labeled Aldosterone. Aldosterone is the primary mineralocorticoid. Aldosterone is a steroid hormone, and it is synthesized and secreted in response to renin-angiotensin system activation (RAS) or high dietary potassium by t
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]. Nanba K, et al. Aging and Adrenal Aldosterone Production. *Hypertension*. 2018 Feb;71(2):218-223.; Cannavo A, et al. Aldosterone and Mineralocorticoid Receptor System in Cardiovascular Physiology and Pathophysiology. *Oxid Med Cell Longev*. 2018 Sep 19;2018:12

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

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