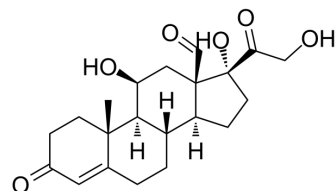


18-Oxocortisol

Cat. No.:	HY-113151		
CAS No.:	2410-60-8		
Molecular Formula:	C ₂₁ H ₂₈ O ₆		
Molecular Weight:	376.44		
Target:	Endogenous Metabolite; Mineralocorticoid Receptor		
Pathway:	Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	18-Oxocortisol is a derivative of cortisol that is produced by aldosterone synthase (CYP11B2). 18-Oxocortisol is a naturally occurring mineralocorticoid agonist. 18-Oxocortisol is a biomarker in adrenal vein sampling ^{[1][2][3]} .
In Vivo	Administration of 18-oxocortisol to rats induces a mineralocorticoid-type hypertension with hypokalemia, cardiac and renal enlargement and cardiovascular lesions. Administration of 18-oxocortisol to sheep also causes a rapid increase in blood pressure. However, the doses required for increasing blood pressure are high ^[3] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Nakamura Y, et al. 18-oxocortisol measurement in adrenal vein sampling as a biomarker for subclassifying primaryaldosteronism. J Clin Endocrinol Metab. 2011 Aug;96(8):E1272-8.
- [2]. Ulick S, et al. 18-oxocortisol, a naturally occurring mineralocorticoid agonist. Endocrinology. 1983 Dec;113(6):2320-2.

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

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