# Data Sheet (Cat.No.T19186)



## Aldosterone

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### **Biological Description** Description Aldosterone is the primary mineralocorticoid. Aldosterone is synthesized and secreted in response to renin-angiotensin system activation or high dietary potassium by the zona glomerulosa of the adrenal cortex. Targets(IC50) Others In vitro Aldosterone (1-1000 nM; 24 hours) inhibits interleukin-1β-stimulated nitrite production by vascular smooth muscle cells in a dose-dependent manner [3]. In vivo Aldosterone (1 mg/Kg+1% NaCl; i.h.; once daily for 3 weeks) significantly increases systolic blood pressure (SBP), diastolic blood pressure (DBP), left ventricular systolic pressure (LVSP) and left ventricular end-diastolic pressure (LVEDP) [4]. Aldosterone (0.72 mg/kg/day; 14 days) causes a small increase (14 mmHg) in blood pressure in male mice [5].

#### Preparing Stock Solutions

	0	1mg	5mg	10mg	
X0	1 mM	2.7744 mL	13.8719 mL	27.7439 mL	
	5 mM	0.5549 mL	2.7744 mL	5.5488 mL	
	10 mM	0.2774 mL	1.3872 mL	2.7744 mL	
	50 mM	0.0555 mL	0.2774 mL	0.5549 mL	

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

#### Reference

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

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