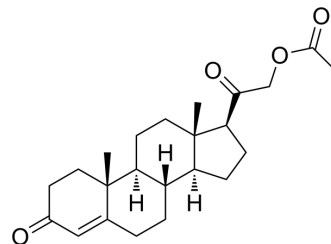


## Deoxycorticosterone acetate (Standard)

<b>Cat. No.:</b>	HY-B1472R
<b>CAS No.:</b>	56-47-3
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>32</sub> O <sub>4</sub>
<b>Molecular Weight:</b>	372.5
<b>Target:</b>	Mineralocorticoid Receptor; Endogenous Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 41.67 mg/mL (111.87 mM; ultrasonic and warming and heat to 80°C)  
 H<sub>2</sub>O : 1 mg/mL (2.68 mM; ultrasonic and warming and heat to 80°C)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	2.6846 mL	13.4228 mL	26.8456 mL
	5 mM	0.5369 mL	2.6846 mL	5.3691 mL	
	10 mM	0.2685 mL	1.3423 mL	2.6846 mL	

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Deoxycorticosterone acetate (Standard) is the analytical standard of Deoxycorticosterone acetate. This product is intended for research and analytical applications. Deoxycorticosterone acetate (DOCA) is an adrenocortin, acts as a precursor to aldosterone. Deoxycorticosterone acetate is a mineralocorticoid receptor agonist. Deoxycorticosterone acetate can cause severe renal injury, including inflammation, fibrosis, glomerular damage, and proteinuria<sup>[1][2]</sup>.

#### IC<sub>50</sub> & Target

Human Endogenous Metabolite

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

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