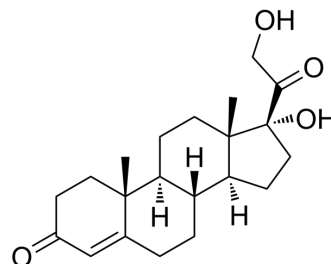


Cortodoxone

Cat. No.:	HY-77839												
CAS No.:	152-58-9												
Molecular Formula:	C ₂₁ H ₃₀ O ₄												
Molecular Weight:	346.46												
Target:	Glucocorticoid Receptor; Endogenous Metabolite												
Pathway:	Immunology/Inflammation; Vitamin D Related/Nuclear Receptor; Metabolic Enzyme/Protease												
Storage:	<table border="0"> <tr> <td>Powder</td> <td>-20°C</td> <td>3 years</td> </tr> <tr> <td></td> <td>4°C</td> <td>2 years</td> </tr> <tr> <td>In solvent</td> <td>-80°C</td> <td>2 years</td> </tr> <tr> <td></td> <td>-20°C</td> <td>1 year</td> </tr> </table>	Powder	-20°C	3 years		4°C	2 years	In solvent	-80°C	2 years		-20°C	1 year
Powder	-20°C	3 years											
	4°C	2 years											
In solvent	-80°C	2 years											
	-20°C	1 year											



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (144.32 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.8863 mL	14.4317 mL	28.8634 mL
		5 mM	0.5773 mL	2.8863 mL	5.7727 mL
		10 mM	0.2886 mL	1.4432 mL	2.8863 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (6.00 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (6.00 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Cortodoxone is a glucocorticoid that can be oxidized to cortisone (Hydrocortisone).
IC₅₀ & Target	Human Endogenous Metabolite

CUSTOMER VALIDATION

-
- Nat Chem Biol. 2022 Aug 18.
 - Proc Natl Acad Sci U S A. 2022 Apr 12;119(15):e2117004119.

See more customer validations on www.MedChemExpress.com

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

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