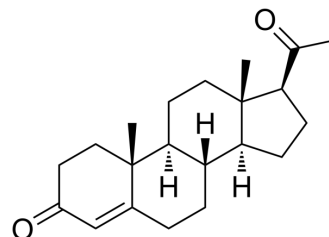


## Progesterone (Standard)

<b>Cat. No.:</b>	HY-N0437R
<b>CAS No.:</b>	57-83-0
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>30</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	314.46
<b>Target:</b>	Progesterone Receptor; Endogenous Metabolite
<b>Pathway:</b>	Vitamin D Related/Nuclear Receptor; Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 50 mg/mL (159.00 mM; ultrasonic and warming and heat to 60°C)  
 H<sub>2</sub>O : 0.1 mg/mL (0.32 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	3.1801 mL	15.9003 mL	31.8005 mL
	5 mM	0.6360 mL	3.1801 mL	6.3601 mL	
	10 mM	0.3180 mL	1.5900 mL	3.1801 mL	

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

### BIOLOGICAL ACTIVITY

#### Description

Progesterone (Standard) is the analytical standard of Progesterone. This product is intended for research and analytical applications. Progesterone is a steroid hormone that regulates the menstrual cycle and is crucial for pregnancy.

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

Human Endogenous Metabolite

### CUSTOMER VALIDATION

- Nat Chem Biol. 2022 Aug 18.
- Biosens Bioelectron. 12 July 2022, 114548.
- Proc Natl Acad Sci U S A. 2022 Apr 12;119(15):e2117004119.
- Acta Pharmacol Sin. 2022 Sep;43(9):2429-2438.
- J Med Chem. 2022 Nov 18.

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See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

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

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