

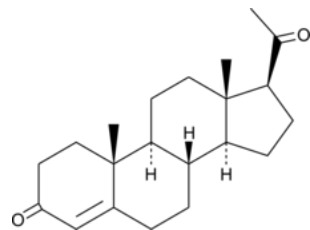
## Progesterone

**ALTERNATE NAME:** pregn-4-ene-3,20-dione

**CATALOG #:** 2913-1G, -5G

**AMOUNT:** 1 g, 5 g

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>21</sub>H<sub>30</sub>O<sub>2</sub>

**FORMULA WEIGHT:** 314.5

**CAS NUMBER:** 57-83-0

**APPEARANCE:** Crystalline solid

**SOLUBILITY:** Acetonitrile or Ethanol or Methanol (~1 mg/ml). Organic solvents should be purged in inert gas. The organic solvent solution can be diluted into aqueous buffers or isotonic saline; sparingly soluble in aqueous solvents directly. Aqueous solutions should not be stored for >1 day.

**PURITY:** ≥98%

**λ<sub>max</sub>** 239 nm

**STORAGE:** -20°C, 2 years shelf-life

**DESCRIPTION:** Progesterone, along with pregnenolone, is the biosynthetic precursor of all other steroid hormones. Progesterone is hydroxylated by Cytochrome P450 enzymes like CYP3A4 in the liver.

**HANDLING:** Do not take internally. Wear gloves and mask when handling! Avoid contact by all modes of exposure.

### RELATED PRODUCTS:

AMMC iodide (Cat#2873)

Atorvastatin (Cat#2278)

Erlotinib, (Cat#2048)

Erlotinib, Hydrochloride Salt (Cat#1588)

EZSolution™ Gefitinib (Cat#2030)

Gefitinib (Cat#1589)

Irinotecan Hydrochloride (Cat#1752)

Lovastatin (Cat#1692)

Paclitaxel (Cat#1567)

Rosuvastatin (Cat#1955)

Simvastatin (Cat#1693)

Dextromethorphan (Cat#2912)