### DHEA

**ALTERNATE NAME:** 5-Dehydroepiandrosterone; Dehydroisoandrosterone; Prasterone

**CATALOG #:** 2172-100, 500

**AMOUNT:** 100 mg, 500 mg

**STRUCTURE:**

![Molecular structure of DHEA](image)

**MOLECULAR FORMULA:** $C_{19}H_{28}O_2$

**MOLECULAR WEIGHT:** 288.43

**CAS NUMBER:** 53-43-0

**APPEARANCE:** White to off-white solid

**SOLUBILITY:** DMSO

**PURITY:** $\geq 99\%$ by TLC

**STORAGE:** Store at $-20{^\circ}C$. Protect from air and moisture

**DESCRIPTION:** DHEA is a steroid secreted by the adrenal gland with both estrogenic and androgenic properties. It is a negative modulator of GABA$_A$ receptors. DHEA inhibits the activity of G6PD (glucose 6-phosphate dehydrogenase) in a dose-dependent manner with EC$_{50}$ of 4 µM. However, DHEA does not inhibit the enzymatic activity of PGD (6-phosphogluconate dehydrogenase), the second enzyme in the pentose phosphate pathway.


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

### RELATED PRODUCTS:

Glucose 6-phosphate dehydrogenase Assay Kit *(Cat. No. K757-100)*

*FOR RESEARCH USE ONLY! Not to be used in humans.*