

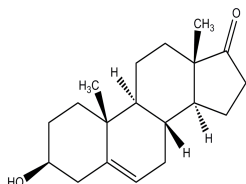
DHEA

ALTERNATE NAME: 5-Dehydroepiandrosterone; Dehydroisoandrosterone; Prasterone

CATALOG #: 2172-100, 500

AMOUNT: 100 mg, 500 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₉H₂₈O₂

MOLECULAR WEIGHT: 288.43

CAS NUMBER: 53-43-0

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO

PURITY: ≥99% by TLC

STORAGE: Store at -20°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 EC₅₀ of 4 μm. However, DHEA does not inhibit the enzymatic activity of PGD (6-phosphogluconate dehydrogenase), the second enzyme in the pentose phosphate pathway.

REFERENCE: Tian, W.-N., *et al.* (2012). *J. Biol. Chem.* **273**, 10609-10617.

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.