LKT Laboratories, Inc.

Dehydroepiandrosterone

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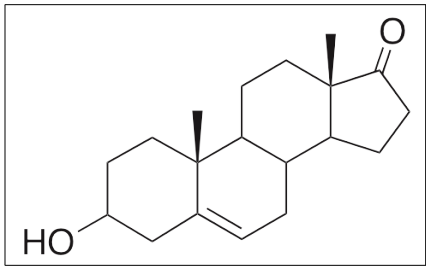
Product Information

Product ID D1629
CAS No. 53-43-0
Chemical Name (3ß)-3-Hydroxyandrost-5-en-17-one

Synonym Prasterone, DHEA, Dehydroepiandosterone

Formula $C_{19}H_{28}O_2$
Formula Wt. 288.42
Melting Point 149-151°C
Purity ≥98%
Solubility Soluble in ethanol or DMSO.
Insoluble in water.



Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
D1629	5 g	$65.30
D1629	25 g	$266.90
D1629	100 g	$791.20

Store Temp Ambient
Ship Temp Ambient

Description Dehydroepiandrosterone (DHEA) is an endogenous steroid hormone produced in the adrenal glands, gonads, and brain; it is an intermediate in the synthesis of estrogens and androgens. DHEA exhibits neuroprotective, cognition enhancing, anti-androgenic, anticancer, anti-metastatic, antiepileptic/anticonvulsant, anti-asthma, antacid, and anti-ulcerative activities. DHEA enhances working memory and cognition in clinical settings. DHEA acts as a partial agonist at androgen receptors and ERα receptors, as a full agonist at ERß receptors, NMDA receptors, and σ1 receptors, and an antagonist at GABA-A receptors. Additionally, DHEA binds PPARα, pregnane X receptors (PXRs), and CXRs. In cellular models of cervical cancer, DHEA inhibits cell proliferation, migration, and adhesion. This compound's antiepileptic activity potentially occurs through increasing expression of various glutamate transporters. In bronchial epithelial cells, DHEA inhibits the epithelial-to-mesenchymal transition (EMT), decreases levels of α-SMA, and increases levels 0f E-cadherin; it also displays bronchodilatory benefit in vivo. In other animal models, this compound decreases gastric acid secretion, lipid peroxidation, and ulcer formation. TEST!!!!!!

References

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