LKT Laboratories, Inc.

Progesterone

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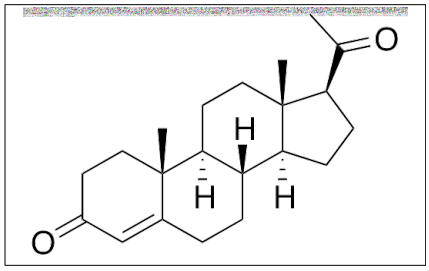
Product Information

Product ID P6854
CAS No. 57-83-0
Chemical Name Pregn-4-ene-3,20-dione

Synonym Corlutin, Gesterol, Luteol, Prolutone, Prolidon, Syngesterone, Utrogestan

Formula $C_{21}H_{30}O_2$
Formula Wt. 314.47
Melting Point 128-132°C
Purity ≥98%
Solubility Insoluble in water. Soluble in alcohol, acetone or dioxane.



Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
P6854	5 g	$33.40
P6854	25 g	$97.30
P6854	100 g	$352.80

Store Temp Ambient
Ship Temp Ambient

Description Progesterone is an endogenous steroid hormone that activates progesterone receptors (PRs) and inhibits mineralocorticoid receptors (MRs), nicotinic acetylcholine receptors (nAChRs), and σ1/2 receptors. Progesterone exhibits neuroprotective activity, inducing myelin sheath formation and supporting neurotransmission. Progesterone also plays a significant role in reproduction and mammary gland development. Clinically, this compound is used to prevent preterm birth and is occasionally used in hormone replacement therapy (HRT).

References

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da Fonseca EB, Bittar RE, Carvalho MH, et al. Prophylactic administration of progesterone by vaginal suppository to reduce the incidence of spontaneous preterm birth in women at increased risk: a randomized placebo-controlled double-blind study. Am J Obstet Gynecol. 2003 Feb;188(2):419-24. PMID: 12592250.

Baulieu E, Schumacher M. Progesterone as a neuroactive neurosteroid, with special reference to the effect of progesterone on myelination. Steroids. 2000 Oct-Nov;65(10-11):605-12. PMID: 11108866.

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