



# LKT Laboratories, Inc.

## Corticosterone

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### Product Information

**Product ID** C5771

**CAS No.** 50-22-6

**Chemical Name** (11-B)-11,21-Dihydroxypregn-4-ene-3,20-dione

**Synonym** Kendall's compound B, Reichstein's substance H, Compound B

**Formula** C<sub>21</sub>H<sub>30</sub>O<sub>4</sub>

**Formula Wt.** 346.46

**Melting Point** 180-182 °C

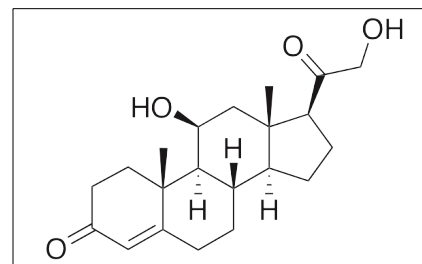
**Purity** ≥98%

**Solubility** Insoluble in water. Soluble  
in organic solvents.

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Corticosterone is an endogenous steroid hormone that activates mineralocorticoid and glucocorticoid receptors. Corticosterone is involved in immune responses, stress responses, and energy homeostasis. Corticosterone is an intermediate in the aldosterone production pathway.



**Bulk quantities available upon request**

Product ID	Size
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C5771	100 mg
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C5771	250 mg
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C5771	500 mg
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**References** Angelier F, Wingfield JC. Importance of the glucocorticoid stress response in a changing world: theory, hypotheses and perspectives. *Gen Comp Endocrinol.* 2013 Sep 1;190:118-28. PMID: 23770214.

Silverman MN, Sternberg EM. Glucocorticoid regulation of inflammation and its functional correlates: from HPA axis to glucocorticoid receptor dysfunction. *Ann N Y Acad Sci.* 2012 Jul;1261:55-63. PMID: 22823394.

Williams GH. Aldosterone biosynthesis, regulation, and classical mechanism of action. *Heart Fail Rev.* 2005 Jan;10(1):7-13. PMID: 15947886.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.