



Product Information

Product ID H9612
CAS No. 50-03-3
Chemical Name (11B)11,17,21-Trihydroxypregn-4-ene-3,20-dione 21-acetate

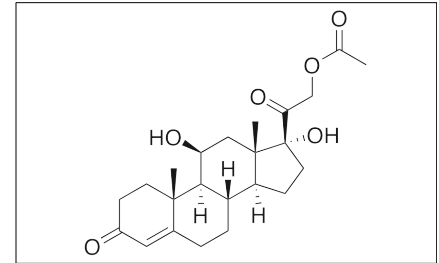
Synonym Colifoam, Cortaid, Cortifoam, Hydrocal, Lanacort, Sigmacort, Velopural

Formula C₂₃H₃₂O₆
Formula Wt. 404.50
Melting Point 223° C(dec)
Purity ≥98%

Solubility Soluble in DMF and dioxane.
Slightly soluble in chloroform,
ethanol (4 mg/mL), methanol,
ether and water.

Store Temp Ambient
Ship Temp Ambient

Description Hydrocortisone is a steroid hormone that is produced in the adrenal cortex and is involved in stress signaling. Hydrocortisone is a glucocorticoid and is also known as cortisol in its endogenous form; it exhibits anti-inflammatory and immunomodulatory activities. Hydrocortisone is clinically used to treat eczema, psoriasis, gout, and severe allergic reactions. Hydrocortisone stimulates gluconeogenesis, inhibits inflammatory cytokine production, and shifts the immune response from Th1 to Th2 subtype.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
H9612	1 g	\$46.30
H9612	5 g	\$137.90
H9612	10 g	\$248.10

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.

Tarchalska-Kryńska B. Glucocorticosteroids: mechanism of action, pharmacological effects, pharmacokinetics and adverse effects. *Otolaryngol Pol.* 1994;48 Suppl 17:41-8. PMID: 8090502.

Sluysen M. Mechanism of steroid hormone action at the cellular level. *Basic Life Sci.* 1975;6:79-104. PMID:168860.

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