



# LKT Laboratories, Inc.

## Betamethasone

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### Product Information

**Product ID** B1876

**CAS No.** 378-44-9

**Chemical Name** (11 $\beta$ ,16 $\beta$ )-9-Fluoro-11,17,21-trihydroxy-16-methylpregna-1,4-diene-3,20-dione

**Synonym** Becort, Betnelan, Celestene, Dermabet, Diprolene, Visubeta

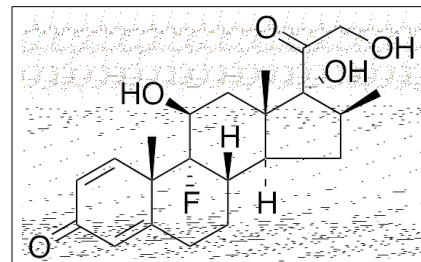
**Formula** C<sub>22</sub>H<sub>29</sub>FO<sub>5</sub>

**Formula Wt.** 392.46

**Melting Point** 231-234°C (dec.)

**Purity** ≥98%

**Solubility** Insoluble in water, ethanol (15 mg/mL).



### Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
B1876	25 mg	\$142.80
B1876	100 mg	\$225.40
B1876	500 mg	\$676.10

**Store Temp** 4°C

**Ship Temp** Ambient

**Description** Betamethasone is a glucocorticoid receptor agonist that exhibits anti-inflammatory, immunosuppressive, and anti-ulcerative activities. Betamethasone is clinically used to treat skin irritations such as psoriasis and to accelerate preterm fetal lung development.

**References** Shepherd J, Taheri A, Feldman SR. Once-daily topical treatment for psoriasis: calcipotriene + betamethasone two-compound topical formulation. Clin Cosmet Investig Dermatol. 2013 Dec 19;7:19-22. PMID: 24379688.

Waffarn F, Davis EP. Effects of antenatal corticosteroids on the hypothalamic-pituitary-adrenocortical axis of the fetus and newborn: experimental findings and clinical considerations. Am J Obstet Gynecol. 2012 Dec;207(6):446-54. PMID: 22840973.

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