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## Product Data Sheet

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Product Name: Beclomethasone dipropionate

Cat. No.: GC17465

**Chemical Properties**

Cas. No. 5534-09-8

Chemical Name [2-[(8S,9R,10S,11S,13S,14S,16S,17R)-9-chloro-11-hydroxy-10,13,16-trimethyl-3-oxo-17-propanoyloxy-6,7,8,11,12,14,15,16-octahydrocyclopenta[a]phenanthren-17-yl]-2-oxoethyl] propanoate

SMILES CCC(=O)OCC(=O)C1(C(CC2C1(CC(C3(C2CCC4=CC(=O)C=CC43C)Cl)O)C)C)OC(=O)CCFormula C<sub>28</sub>H<sub>37</sub>ClO<sub>7</sub>

M.Wt

521.04

Solubility ≥ 16.95mg/mL in DMSO

Storage

Store at -20°C

General tips

For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

Beclomethasone dipropionate(BDP) is a topically active and anti-inflammatory corticosteroid used in treatment of asthma and rhinitis [1].

Beclomethasone dipropionate(BDP) is a topically active and anti-inflammatory corticosteroid used in treatment of asthma and rhinitis. In addition, Beclomethasone dipropionate has been reported to be previously developed as aqueous nasal formulations for the treatment of Allergic rhinitis. Moreover, Beclomethasone dipropionate has shown the availability in dry nasal aerosol formulations as chlorofluoro carbon metered-dose inhaler nasal sprays [1].

References:

[1] Ratner PH1, Melchior A, Dunbar SA, Tantry SK, Dorinsky PM. Pharmacokinetic profile of beclomethasone dipropionate hydrofluoroalkane after intranasal administration versus oral inhalation in healthy subjects: results of a single-dose, randomized, open-label, 3-period crossover study. Clin Ther. 2012 Jun;34(6):1422-31.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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