

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications

Catalogue Number 49442

Product

Betamethasone valerate

Betamethasone 17-valerate

9-Fluoro-11 β ,21-dihydroxy-16 β -methyl-3,20-dioxopregna-1,4-dien-17-yl valerate

CAS Number 2152-44-5

Molecular Formula C₂₇H₃₇FO₆

Appearance White to light yellow powder

Solubility Freely soluble in chloroform, soluble in ethanol (95%), practically insoluble in water in light petroleum

Optical Rotation [a]_D²⁰ = +75 to +82 °

Loss on Drying ≤ 0.50%

UV absorption 0.63 - 0.67

Related Substances Single impurity : ≤ 1%
Total impurity : ≤ 2%

Sulfated Ash ≤ 1%

Purity by HPLC ≥ 98%

Storage Store at 0 - 8 °C

Additional Information Identification :

Test for A : Infrared spectrum : Conforms to structure

Test for TLC : The principal spot in the chromatogram obtained with the test solution should correspond to the principal spot in the chromatogram obtained with reference solution (a). The principal spot in the chromatogram obtained with the reference solution (b) should be appeared as single compact spot

Test for Retention time : The retention time of the principal peak in the chromatogram obtained with the test solution corresponds to the principal peak obtained with the reference solution in assay.

Test for sulphuric acid : The odor of ethyl valerate is perceptible.

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For Laboratory Use Only