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## Product Information

### TRIAMCINOLONE ACETONIDE SIGMA REFERENCE STANDARD

Product No. **T1643**

Lot No: 23K8804

Storage Temperature: Room temperature

Formula:  $C_{24}H_{31}FO_6$

Formula Weight: 434.51

CAS No: 76-25-5

Synonyms:

Pregna-1,4-diene-3,20-dione, 9-fluoro-11,21-dihydroxy-16,17-[(1-methylethylidene)bis(oxy)]-, (11 $\beta$ ,16 $\alpha$ )-9-Fluoro-11 $\beta$ ,16 $\alpha$ ,17,21-tetrahydroxypregna-1,4-diene-3,20-dione cyclic 16,17-acetal with acetone .

#### Product Description

This product meets USP specifications (Current through USP 26), and is traceable to USP Reference Standard lot K

Store at room temperature. Keep container tightly closed. Do not dry.

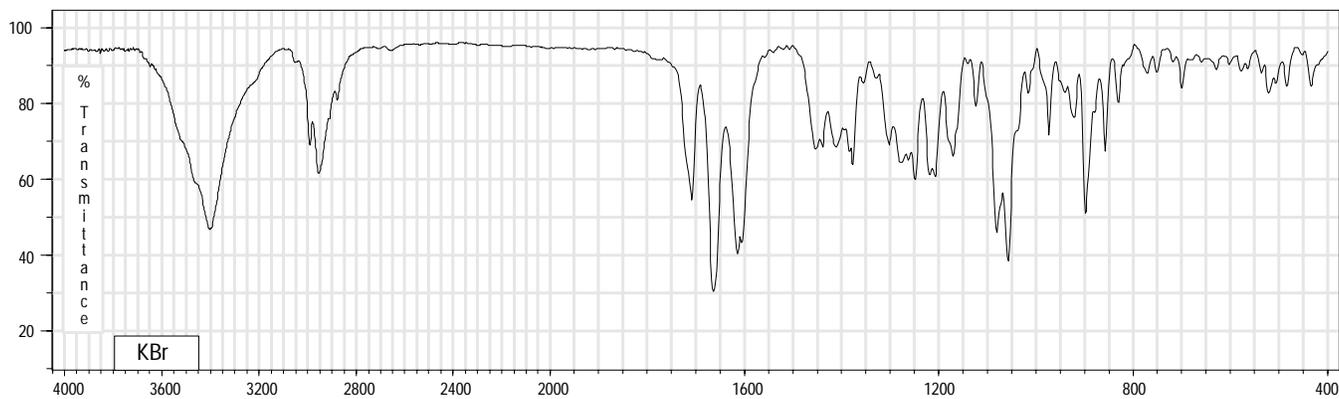
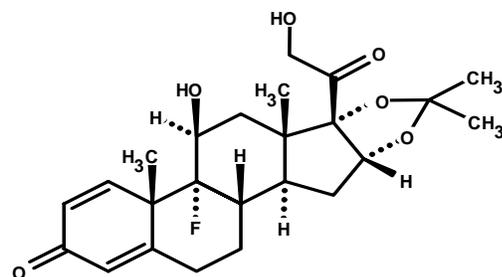
TEST	USP 26 SPECIFICATIONS	Result Sigma R.S. Lot 23K8804
Infrared absorption spectrum KBr dispersion (197K)	compares to standard	conforms to USP RS lot K
Ultraviolet absorption spectrum 20 $\mu$ g/mL in methanol (197U)	compares to standard	conforms to USP RS lot K
Specific rotation, $[\alpha]_D^{25}$ 5 mg/ml solution in dimethylformamide (781S)	between + 118° and + 130°	+ 129.3°
Loss on drying (731)	not more than 1.5%	0.6 %
Heavy metals	not more than 0.0025%	passes
Chromatographic purity (621)	not more than 0.3% of any individual impurity is found and not more than 0.8% of total impurities is found	meets requirement
Assay — high pressure liquid chromatography (621)	not less than 97.0% and not more than 102.0%	100.4%

See reverse side for IR and UV spectrum of Sigma Reference Standard.

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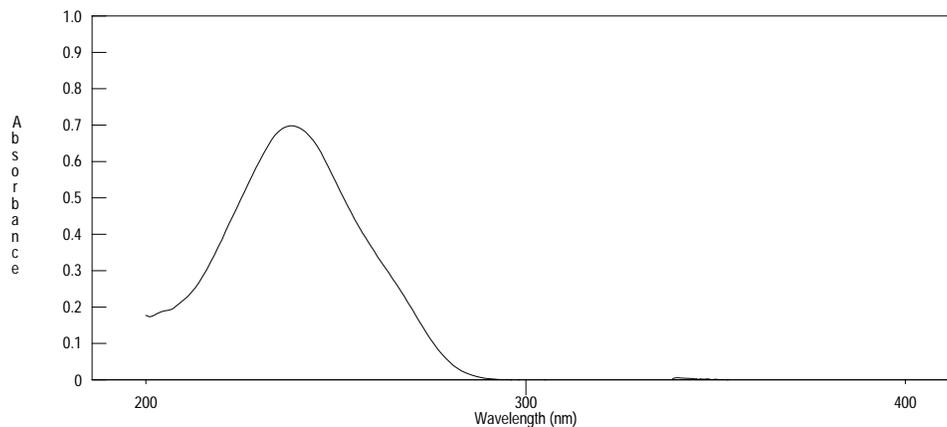
INFRARED SPECTRUM

KBr dispersion

Wavenumbers (cm<sup>-1</sup>)

ULTRAVIOLET SPECTRUM

20 µg/mL in methanol



2/2003

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Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications.  
Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply.  
Please see reverse side of the invoice or packing slip.