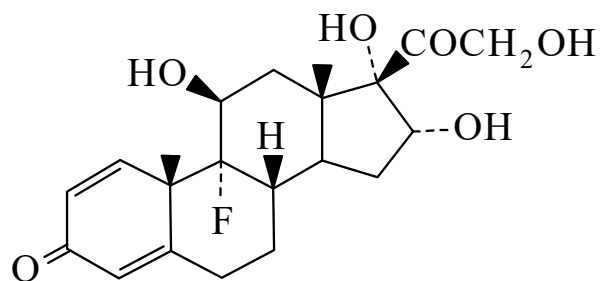




>>Entry Name: Triamcinolone, BAN, INN

Synonym(s): 9-Fluoro-11,16,17,21-tetrahydroxypregna-1,4-diene-3,20-dione. Aristocort. Fluoxiprednisolone. Kenacort. Lederspan. Volon. Many other names



CAS Registry Number: 124-94-7

Related CAS Registry Numbers(s): 989-96-8 1997-15-5

Molecular Formula: $C_{21}H_{27}FO_6$

Molecular Weight: 394.439

Accurate Mass: 394.179168

Percentage Composition: C 63.95%; H 6.90%; F 4.82%; O 24.34%

Biological Use/Importance: Glucocorticoid; antiinflammatory agent

Physical Description: Cryst.

Melting Point: Mp 269-271°

Optical Rotation: $[\alpha]_D^{25} +75$ (Me₂CO)

Calculated Log P Data: Log P -0.24 (uncertain value) (calc)

Other Data: Stereochem. is (9 α ,11 β ,16 α ,17 α OH)

Aldrich: 28733-4

Sigma: T6376

>>Derivative: 16,21-Di-Ac

Synonym(s): Triamcinolone diacetate, JAN, USAN. Polcortolon. Many other names

CAS Registry Number: 67-78-7

Molecular Formula: $C_{25}H_{31}FO_8$

Molecular Weight: 478.513

Accurate Mass: 478.200298

Percentage Composition: C 62.75%; H 6.53%; F 3.97%; O 26.75%

Melting Point: Mp 186-188°. Mp 235° (after drying)

Optical Rotation: $[\alpha]_D +22$ (CHCl₃)

Sigma: T4267

>>Derivative: 16,17-Acetone ketal

Synonym(s): Triamcinolone acetonide, BAN, USAN. Adcortyl. Azmacort. Kenalog. Ledercort. Nasacort. Vetalog. Many other names

CAS Registry Number: 76-25-5

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

Molecular Weight: 434.504

Accurate Mass: 434.210468

Percentage Composition: C 66.34%; H 7.19%; F 4.37%; O 22.09%

Biological Use/Importance: Glucocorticoid, antiinflammatory agent; also employed as the 21-disodium phosphate (*Triamcinolone acetonide sodium phosphate, USAN*)

Physical Description: Cryst.

Development Status: Approved 1982 (as Azmacort)

Melting Point: Mp 292-294°

Optical Rotation: $[\alpha]_D^{23} +109$ (c, 0.75 in CHCl₃)

Calculated Log P Data: Log P 1.85 (uncertain value) (calc)

Other Data: Component of numerous preparations

Sigma: T6501