Accurate Mass: 532.283633
Percentage Composition: C 67.65%; H 7.76%; F 3.57%; O 21.03%
Biological Use/Importance: Glucocorticoid; antiinflammatory agent
Physical Description: Needles
Melting Point: Mp 295-296 dec.°. Mp 271-272 dec.°
Calculated Log P Data: Log P 4.25 (uncertain value) (calc)
Other Data: Component of numerous preparations

>>**Derivative:** 16,17-Prop-2-enal acetal
Synonym(s): Acrocinonide, INN. Triamcinolone acroleinide. SD 2102-18

CAS Registry Number: 28971-58-6

Molecular Formula: $C_{24}H_{29}FO_6$
Molecular Weight: 432.488
Accurate Mass: 432.194818
Percentage Composition: C 66.65%; H 6.76%; F 4.39%; O 22.20%
Biological Use/Importance: Glucocorticoid; antiinflammatory agent
Physical Description: Cryst.
Melting Point: Mp 200-205°
Optical Rotation: $[\alpha]_D^{25}$+82.5 (c, 1.0 in $CHCl_3$)
Calculated Log P Data: Log P 1.38 (uncertain value) (calc)

>>**Derivative:** 16,17-(Pentan-3-one) ketal
Synonym(s): Amcinafal, INN, USAN. Triamcinolone pentanonide. SQ 15102

CAS Registry Number: 3924-70-7

Molecular Formula: $C_{26}H_{35}FO_6$
Molecular Weight: 462.557
Accurate Mass: 462.241768
Percentage Composition: C 67.51%; H 7.63%; F 4.11%; O 20.75%
Biological Use/Importance: Glucocorticoid; antiinflammatory agent
Development Status: Never marketed
Melting Point: Mp 265-268°
Optical Rotation: $[\alpha]_D$ +91 ($CHCl_3$)
Calculated Log P Data: Log P 2.91 (uncertain value) (calc)

>>**Derivative:** 16,17-Acetone ketal, 21-hemisuccinate
Synonym(s): Solutedarol. Triamcinolone acetonide hemisuccinate

CAS Registry Number: 3092-61-3

Molecular Formula: $C_{28}H_{35}FO_9$
Molecular Weight: 534.577
Accurate Mass: 534.226513
Percentage Composition: C 62.91%; H 6.60%; F 3.55%; O 26.94%
Biological Use/Importance: Glucocorticoid (antiinflammatory, antiallergic)

>>**Derivative:** 16,17-Acetone ketal, 21-*O*-(3-benzamido-2-methylpropanoyl)
Synonym(s): Triamcinolone benetonide, INN. Alcorten. Benecorten

CAS Registry Number: 31002-79-6

Molecular Formula: $C_{35}H_{42}FNO_8$
Molecular Weight: 623.717
Accurate Mass: 623.289447
Percentage Composition: C 67.40%; H 6.79%; F 3.05%; N 2.25%; O 20.52%
Biological Use/Importance: Antiinflammatory agent
Physical Description: Cryst. (MeOH)
Melting Point: Mp 180-182°
Calculated Log P Data: Log P 3.72 (uncertain value) (calc)