



Accurate Mass: 496.226118
Percentage Composition: C 70.14%; H 6.70%; F 3.83%; O 19.33%
Physical Description: Cryst. (Me₂CO/Et₂O)
Melting Point: Mp 225-228°
Optical Rotation: [α]_D²⁴ +63.5 (dioxan)
Calculated Log P Data: Log P 3.67 (uncertain value) (calc)

>>Derivative: 17,21-Dipropanoyl

Synonym(s): Betamethasone dipropionate, BAN, JAN, USAN. Diprosone. Many other names

CAS Registry Number: 5593-20-4

Molecular Formula: C₂₈H₃₇FO₇
Molecular Weight: 504.594
Accurate Mass: 504.252333
Percentage Composition: C 66.65%; H 7.39%; F 3.77%; O 22.20%
Physical Description: Powder
Melting Point: Mp 170-179 dec.°
Optical Rotation: [α]_D²⁶ +65.7 (dioxan)
Calculated Log P Data: Log P 3.62 (uncertain value) (calc)
Other Data: Component of Betasone, Alphatrex and Diprolene

Sigma: B1152

>>Derivative: 17-Pentanoyl

Synonym(s): Betamethasone valerate, BAN, JAN, USAN. Betnovate. Flubenisolone valerate. Valisone. Many other names

CAS Registry Number: 2152-44-5

Molecular Formula: C₂₇H₃₇FO₆
Molecular Weight: 476.584
Accurate Mass: 476.257418
Percentage Composition: C 68.05%; H 7.82%; F 3.99%; O 20.14%
Physical Description: Needles (Me₂CO/petrol)
Melting Point: Mp 183-184°
Optical Rotation: [α]_D +77 (dioxan)
Calculated Log P Data: Log P 3.61 (uncertain value) (calc)

Sigma: B0515

>>Derivative: 17-Pentanoyl, 21-Ac

Synonym(s): Betamethasone valeroacetate. Beta 21. Cortico LG

CAS Registry Number: 5919-89-1

Molecular Formula: C₂₉H₃₉FO₇
Molecular Weight: 518.621
Accurate Mass: 518.267983
Percentage Composition: C 67.16%; H 7.58%; F 3.66%; O 21.59%
Melting Point: Mp 202°
Optical Rotation: [α]_D +50.5 (dioxan)
Calculated Log P Data: Log P 4.15 (uncertain value) (calc)

>>Derivative: 17,21-Dipentanoyl

Synonym(s): Betamethasone divalerate. Betadival

CAS Registry Number: 38196-44-0

Molecular Formula: C₃₂H₄₅FO₇
Molecular Weight: 560.702
Accurate Mass: 560.314933
Percentage Composition: C 68.55%; H 8.09%; F 3.39%; O 19.97%
Calculated Log P Data: Log P 5.73 (uncertain value) (calc)