



Molecular Weight: 504.594
Accurate Mass: 504.252333
Percentage Composition: C 66.65%; H 7.39%; F 3.77%; O 22.20%
Melting Point: Mp 131 dec.°
Optical Rotation: $[\alpha]_D +56.6$ (c, 1 in dioxan)
Calculated Log P Data: Log P 3.4 (uncertain value) (calc)

>>Derivative: 21-Adamantoyl

Synonym(s): Betamethasone adamantate, BAN. Betsovet

CAS Registry Number: 40242-27-1

Molecular Formula: $C_{33}H_{43}FO_6$
Molecular Weight: 554.697
Accurate Mass: 554.304368
Percentage Composition: C 71.46%; H 7.81%; F 3.43%; O 17.31%
Calculated Log P Data: Log P 4.68 (uncertain value) (calc)

>>Derivative: 21-(3-Carboxypropanoyl)

Synonym(s): Betamethasone succinate

CAS Registry Number: 27297-42-3

Molecular Formula: $C_{26}H_{33}FO_8$
Molecular Weight: 492.54
Accurate Mass: 492.215948
Percentage Composition: C 63.40%; H 6.75%; F 3.86%; O 25.99%
Calculated Log P Data: Log P 1.76 (uncertain value) (calc)

>>Derivative: 21-(2-Hydroxybenzoyl)

Synonym(s): Betamethasone salicylate. Cortobenzolone. Tuplix

CAS Registry Number: 52619-32-6

Molecular Formula: $C_{29}H_{33}FO_7$
Molecular Weight: 512.574
Accurate Mass: 512.221033
Percentage Composition: C 67.95%; H 6.49%; F 3.71%; O 21.85%
Calculated Log P Data: Log P 4 (uncertain value) (calc)

>>Derivative: 21-Phosphate

CAS Registry Number: 360-63-4
Molecular Formula: $C_{22}H_{30}FO_8P$
Molecular Weight: 472.446
Accurate Mass: 472.166235
Percentage Composition: C 55.93%; H 6.40%; F 4.02%; O 27.09%; P 6.56%

>>Derivative: 21-Phosphate, di-Na salt

Synonym(s): Betamethasone sodium phosphate, BAN, JAN, USAN. Flubenisolone disodium phosphate. Betnesol. Many other names

CAS Registry Number: 151-73-5

Other Data: Component of Betasone

Sigma: B7652

References: