



>>>Derivative: 17-(2-Furancarbonyl), 21-Ac
Synonym(s): **Dexamethasone acefurate**, INN. Sch 31353

CAS Registry Number: 83880-70-0

Molecular Formula: $C_{29}H_{33}FO_8$
Molecular Weight: 528.573
Accurate Mass: 528.215948
Percentage Composition: C 65.90%; H 6.29%; F 3.59%; O 24.22%
Use/Importance: Topical glucocorticoid. Antiinflammatory, antiallergic agent
Melting Point: Mp 238-239°
Optical Rotation: $[\alpha]_D^{26} +0.9$ (dioxan)
Calculated Log P Data: Log P 3.38 (uncertain value) (calc)

>>>Derivative: 21-(Diethylaminoacetyl)
Synonym(s): **Dexamethasone diethylaminoacetate**. Solu-Forte-Cortin

CAS Registry Number: 1433-15-4

Molecular Formula: $C_{28}H_{40}FNO_6$
Molecular Weight: 505.625
Accurate Mass: 505.283967
Percentage Composition: C 66.51%; H 7.97%; F 3.76%; N 2.77%; O 18.99%
Use/Importance: Antiinflammatory agent
Calculated Log P Data: Log P 2.91 (uncertain value) (calc)

>>>Derivative: 21-(2,2-Dimethylpropanoyl)
Synonym(s): **Dexamethasone pivalate**. Dexamethasone trimethylacetate. Millicorten-TMA. Millicortenol. Opticortenol

CAS Registry Number: 1926-94-9

Molecular Formula: $C_{27}H_{37}FO_6$
Molecular Weight: 476.584
Accurate Mass: 476.257418
Percentage Composition: C 68.05%; H 7.82%; F 3.99%; O 20.14%
Use/Importance: Antiinflammatory agent. Vet. prod.
Melting Point: Mp 262-263°
Optical Rotation: $[\alpha]_D^{27} +84.9$ (c, 1.4 in dioxan)
Calculated Log P Data: Log P 3.26 (uncertain value) (calc)

>>>Derivative: 21-(3,3-Dimethylbutanoyl)
Synonym(s): **Dexamethasone tert-butylacetate**. Decadron-TBA

CAS Registry Number: 24668-75-5

Molecular Formula: $C_{28}H_{39}FO_6$
Molecular Weight: 490.611
Accurate Mass: 490.273068
Percentage Composition: C 68.55%; H 8.01%; F 3.87%; O 19.57%
Use/Importance: Antiinflammatory agent
Calculated Log P Data: Log P 3.88 (uncertain value) (calc)

>>>Derivative: 21-Hexadecanoyl
Synonym(s): **Dexamethasone palmitate**. Lipomethason

CAS Registry Number: 14899-36-6

Molecular Formula: $C_{38}H_{59}FO_6$
Molecular Weight: 630.879
Accurate Mass: 630.429568
Percentage Composition: C 72.35%; H 9.43%; F 3.01%; O 15.22%
Use/Importance: Glucocorticoid. Antiinflammatory, antiallergic agent
Melting Point: Mp 60-65°
Optical Rotation: $[\alpha]_D +59$ (CHCl₃)
Calculated Log P Data: Log P 9.43 (uncertain value) (calc)