



Formula: C₂₃H₃₀O₆

MW: 402.49

CAS: 52-21-1

TNP NUMBER: TNP00614

MDL NUMBER: MFCD03225474

IUPAC: 2-((1S,10S,11S,15S,17S,2R,14R)-14,17-dihydroxy-2,15-dimethyl-5-oxotetracyclo[8.7.0.0.0]heptadeca-3,6-dien-14-yl)-2-oxoethyl acetate

Smiles:

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C=12[C]([C@H]3([C@H](C[C]4([C](C(COC(=O)C)=O)(CC[C@@H]4([C@@H]3(CC2)))O)C)O))(C=CC(=O)C1)C
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Glucocorticoid

THERAPEUTIC CATEGORY: Glucocorticoid

ACCEPTORS: 6

DONORS: 2

ROTATION BONDS: 4

N+O: 6

Chiral Centers: 7

LogP: 3.03

LogS: -4.63

LIPINSKI: 4

Synonyms:

(11beta)-21-(Acetyloxy)-11,17-dihydroxypregna-1,4-diene-3,20-dione;11,17-Dihydroxy-3,20-dioxopregna-1,4-dien-21-yl acetate;11beta,17,21-Trihydroxypregna-1,4-diene-3,20-dione 21-acetate;21-(acetyloxy)-11,17-dihydroxy-4-diene-(11-beta)-pregna-20-dione;21-(acetyloxy)-11,17-dihydroxy-4-diene-(11beta)-pregna-20-dione;4-diene-3,20-dione,11-beta,17,21-trihydroxy-pregna-21-acetate;Ak-Tate;component of Blephamide liquifilm,

CAS:52-21-1

MF:C23H30O6

MW:402.48

EINECS:200-134-1

Product Categories:Biochemistry;Hydroxyketosteroids;Steroids Prednisolone-21-acetate

Chemical Properties: mp 240-244 C refractive index 112 (C=1, Dioxane) Merck 7721
Stability:Stable. Incompatible with strong oxidizing agents.

CAS DataBase Reference: 52-21-1(

CAS DataBase Reference:) NIST Chemistry Reference1,4-Pregnadiene-3,20-dione, 11beta,17alpha,21-trihydroxy-, acetate(52-21-1) T,C,F Risk Statements 25-34-11 Safety Statements 45-36/37/39-26-16 RIDADR UN 2811 6.1/PG 3 WGK Germany 3 RTECS TU4152500 Prednisolone-21-acetate

Usage And Synthesis:

Chemical Properties: white crystalline powder Prednisolone-21-acetate

