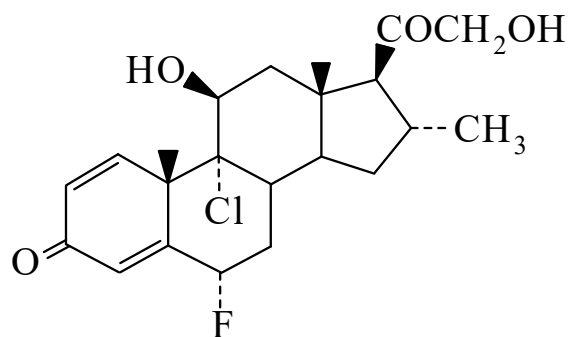




>>Entry Name: Clocortolone, INN

Synonym(s): 9-Chloro-6-fluoro-11,21-dihydroxy-16-methylpregna-1,4-diene-3,20-dione, 8Cl



CAS Registry Number: 4828-27-7

Molecular Formula: $C_{22}H_{28}ClFO_4$

Molecular Weight: 410.912

Accurate Mass: 410.166015

Percentage Composition: C 64.31%; H 6.87%; Cl 8.63%; F 4.62%; O 15.57%

Use/Importance: Glucocorticoid. Antiinflammatory and antiallergic agent

Physical Description: Cryst. (MeOH/CH₂Cl₂)

Melting Point: Mp 254 dec.°

Calculated Log P Data: Log P 1.84 (uncertain value) (calc)

Other Data: Stereochem. is (6 α ,9 α ,11 β ,16 α ,17 β)

>>Derivative: 21-Ac

Synonym(s): Clocortolone acetate, USAN. SH 818

CAS Registry Number: 4258-85-9

Molecular Formula: $C_{24}H_{30}ClFO_5$

Molecular Weight: 452.949

Accurate Mass: 452.17658

Percentage Composition: C 63.64%; H 6.68%; Cl 7.83%; F 4.19%; O 17.66%

Use/Importance: Antiinflammatory and antiallergic agent

Physical Description: Cryst. (MeOH/CH₂Cl₂)

Melting Point: Mp 252 dec.°

Calculated Log P Data: Log P 2.38 (uncertain value) (calc)

>>Derivative: 21-(2,2-Dimethylpropanoyl)

Synonym(s): Clocortolone pivalate, USAN. Clocortolone trimethylacetate. Cilder. Cloderm. Purantix. CL 68. SH 863

CAS Registry Number: 34097-16-0

Molecular Formula: $C_{27}H_{36}ClFO_5$

Molecular Weight: 495.029

Accurate Mass: 494.22353

Percentage Composition: C 65.51%; H 7.33%; Cl 7.16%; F 3.84%; O 16.16%

Use/Importance: Antiinflammatory and antiallergic agent

Physical Description: Solid

Melting Point: Mp 233-235 dec.°

Calculated Log P Data: Log P 3.62 (uncertain value) (calc)

>>Derivative: 21-Hexanoyl

Synonym(s): Clocortolone caproate

CAS Registry Number: 4891-71-8

Molecular Formula: $C_{28}H_{38}ClFO_5$

Molecular Weight: 509.056

Accurate Mass: 508.23918

Percentage Composition: C 66.06%; H 7.52%; Cl 6.96%; F 3.73%; O 15.71%

Use/Importance: Antiinflammatory and antiallergic agent

Physical Description: Cryst. (Me₂CO/hexane)

Melting Point: Mp 157-159°

Calculated Log P Data: Log P 4.5 (uncertain value) (calc)

References: