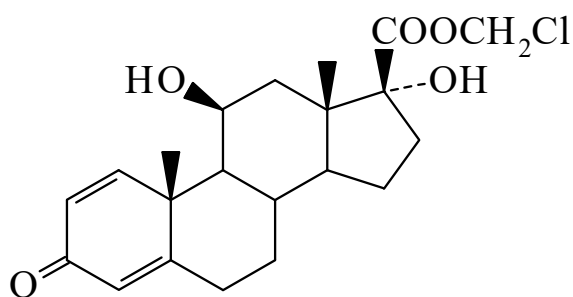




>>Entry Name: Loteprednol, BAN, INN

Synonym(s): Chloromethyl 11,17-dihydroxy-3-oxoandrosta-1,4-diene-17-carboxylate. Alrex. Lotemax



CAS Registry Number: 129260-79-3

Related CAS Registry Numbers(s): 82034-30-8 82034-31-9 82034-44-4 82034-45-5 133991-63-6

Molecular Formula: $C_{21}H_{27}ClO_5$

Molecular Weight: 394.894

Accurate Mass: 394.154702

Percentage Composition: C 63.87%; H 6.89%; Cl 8.98%; O 20.26%

Use/Importance: Antiinflammatory agent

Development Status: Launched in the US (1998)

Calculated Log P Data: Log P 2.66 (uncertain value) (calc)

>>Derivative: 17-Ethoxycarbonyl

Synonym(s): Loteprednol etabonate, USAN. CDDD 5604. HGP 1. P 5604

CAS Registry Number: 82034-46-6

Molecular Formula: $C_{24}H_{31}ClO_7$

Molecular Weight: 466.957

Accurate Mass: 466.175832

Percentage Composition: C 61.73%; H 6.69%; Cl 7.59%; O 23.98%

Use/Importance: Glucocorticoid having local antiinflammatory props.

Physical Description: Cryst. (Me_2CO)

Melting Point: Mp 233-234°

Optical Rotation: $[\alpha]_D^{23} +41.8$ (c, 1.23 in CH_2Cl_2)

References:

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Druzgala, P. et al., J. Steroid Biochem., 1991, **38**, 149, (synth, pmr, ir)

Bodor, N.S. et al., Steroids, 1991, **56**, 434, (pharmacol)

Bodor, N. et al., Pharm. Res., 1992, **9**, 1275, (metab)

Howes, J.F. et al., J. Ocul. Pharmacol., 1994, **10**, 289, (activity)

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