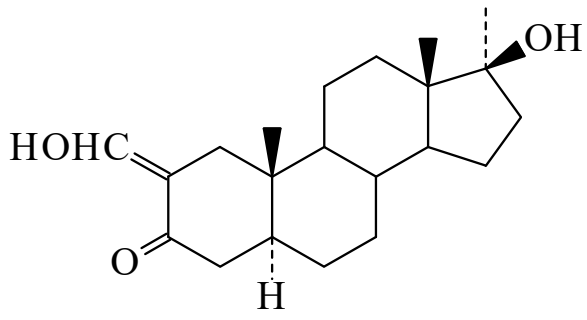
>>**Entry Name: Oxymetholone,** BAN, INN, USAN
Synonym(s): 17-Hydroxy-2-(hydroxymethylene)-17-methylandrostan-3-one, 9CI. Adroyd. Anapolon. Anadrol. Anasterone. Synasteron. NSC 26198. Many other names



CAS Registry Number: 434-07-1
Related CAS Registry Numbers(s): 18045-52-8 23775-54-4 23775-55-5 78964-17-7

Molecular Formula: $C_{21}H_{32}O_3$
Molecular Weight: 332.482
Accurate Mass: 332.235145
Percentage Composition: C 75.86%; H 9.70%; O 14.44%
Use/Importance: Anabolic steroid
Physical Description: Cryst. (EtOAc)
Melting Point: Mp 185-190° (178-180°)
Optical Rotation: $[\alpha]_D$ +38 ($CHCl_3$)
Calculated Log P Data: Log P 3.99 (uncertain value) (calc)

Sigma: O4006

>>**Derivative:** 2-Ac

Molecular Formula: $C_{23}H_{34}O_4$
Molecular Weight: 374.519
Accurate Mass: 374.24571
Percentage Composition: C 73.76%; H 9.15%; O 17.09%
Physical Description: Cryst. (hexane)
Melting Point: Mp 144-148°

>>**Derivative:** 17-Ac

Molecular Formula: $C_{23}H_{34}O_4$
Molecular Weight: 374.519
Accurate Mass: 374.24571
Percentage Composition: C 73.76%; H 9.15%; O 17.09%
Melting Point: Mp 132-145°
Optical Rotation: $[\alpha]_D$ +43 (c, 1.02 in $CHCl_3$)

>>**Derivative:** 5β-Epimer

Physical Description: Needles (Et_2O)
Melting Point: Mp 205.6-211.6°
Optical Rotation: $[\alpha]_D$ +0.3 (c, 1 in $CHCl_3$)

References:

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