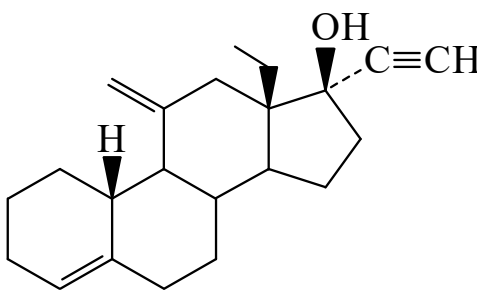




>>Entry Name: Desogestrel, BAN, INN, USAN

Synonym(s): 13-Ethyl-11-methylene-18,19-dinorpregn-4-en-20-yn-17-ol, 9Cl. Mericilon. Org 2969



CAS Registry Number: 54024-22-5

Related CAS Registry Numbers(s): 71138-35-7

Molecular Formula: C₂₂H₃₀O

Molecular Weight: 310.478

Accurate Mass: 310.229665

Percentage Composition: C 85.11%; H 9.74%; O 5.15%

Use/Importance: Progestogen

Physical Description: Cryst.

Melting Point: Mp 109-110°

Optical Rotation: [α]_D²⁰ +55 (CHCl₃)

Calculated Log P Data: Log P 6.19 (uncertain value) (calc)

Other Data: Component of Marvelon, Dicromil and Microdiol. Stereochem. is (13β, 17βOH)

>>Derivative: 3-Oxo

Synonym(s): 13-Ethyl-17-hydroxy-11-methylene-18, 19-dinor-17α-pregn-4-en-20-yn-3-one. 3-Oxodesogestrel

Molecular Formula: C₂₂H₂₈O₂

Molecular Weight: 324.462

Accurate Mass: 324.20893

Percentage Composition: C 81.44%; H 8.70%; O 9.86%

Physical Description: Cryst. (EtOAc/hexane)

Melting Point: Mp 189-199°

Optical Rotation: [α]_D +85 (CHCl₃)

Other Data: Principal metab. of Desogestrel

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