



>>Entry Name: 17-Hydroxy-19-norpregn-4-ene-3,20-dione, 9CI

**Molecular Formula:** C<sub>20</sub>H<sub>28</sub>O<sub>3</sub>  
**Molecular Weight:** 316.439  
**Accurate Mass:** 316.203845  
**Percentage Composition:** C 75.91%; H 8.92%; O 15.17%

>>Variant: (17 $\alpha$ OH)-form

**CAS Registry Number:** 2137-18-0  
**Molecular Formula:** C<sub>20</sub>H<sub>28</sub>O<sub>3</sub>  
**Molecular Weight:** 316.439  
**Accurate Mass:** 316.203845  
**Percentage Composition:** C 75.91%; H 8.92%; O 15.17%  
**Physical Description:** Cryst. (Me<sub>2</sub>CO/hexane)  
**Melting Point:** Mp 204-206°  
**Optical Rotation:** [ $\alpha$ ]<sub>D</sub> +41 (CHCl<sub>3</sub>)

>>Derivative: Me ether

**Synonym(s):** 17 $\alpha$ -Methoxy-19-norpregn-4-ene-3,20-dione

**CAS Registry Number:** 40803-71-2

**Molecular Formula:** C<sub>21</sub>H<sub>30</sub>O<sub>3</sub>  
**Molecular Weight:** 330.466  
**Accurate Mass:** 330.219495  
**Percentage Composition:** C 76.33%; H 9.15%; O 14.52%  
**Physical Description:** Cryst. (Me<sub>2</sub>CO/hexane)  
**Melting Point:** Mp 151-152°  
**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>25</sup> +106.8 (c, 0.5 in CHCl<sub>3</sub>)

>>Derivative: Ac

**CAS Registry Number:** 31981-44-9  
**Molecular Formula:** C<sub>22</sub>H<sub>30</sub>O<sub>4</sub>  
**Molecular Weight:** 358.477  
**Accurate Mass:** 358.21441  
**Percentage Composition:** C 73.71%; H 8.43%; O 17.85%  
**Physical Description:** Cryst. (MeOH)  
**Melting Point:** Mp 227-229°  
**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>25</sup> +22 (c, 0.518 in CHCl<sub>3</sub>)

>>Derivative: 17-Sulfate

**Melting Point:** Mp 152-155° (as Na salt)  
**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>22</sup> +63.7 (MeOH) (as Na salt)

>>Variant: (17 $\beta$ OH)-form

**CAS Registry Number:** 16895-64-0  
**Molecular Formula:** C<sub>20</sub>H<sub>28</sub>O<sub>3</sub>  
**Molecular Weight:** 316.439  
**Accurate Mass:** 316.203845  
**Percentage Composition:** C 75.91%; H 8.92%; O 15.17%  
**Physical Description:** Cryst. (Me<sub>2</sub>CO/hexane)  
**Melting Point:** Mp 142.1°  
**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>25</sup> +36 (c, 0.5 in CHCl<sub>3</sub>)

>>Derivative: Ac

**CAS Registry Number:** 66964-58-7  
**Physical Description:** Cryst. (Me<sub>2</sub>CO/hexane)  
**Melting Point:** Mp 174.3°  
**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>25</sup> +29.2 (c, 0.5 in CHCl<sub>3</sub>)