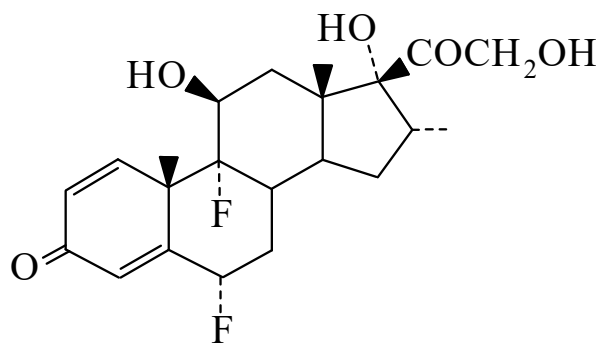




>>Entry Name: 6,9-Difluoro-11,17,21-trihydroxy-16-methylpregna-1,4-diene-3,20-dione



**Molecular Formula:** C<sub>22</sub>H<sub>28</sub>F<sub>2</sub>O<sub>5</sub>

**Molecular Weight:** 410.457

**Accurate Mass:** 410.190481

**Percentage Composition:** C 64.38%; H 6.88%; F 9.26%; O 19.49%

**Calculated Log P Data:** Log P 0.88 (uncertain value) (calc)

>>Variant: (6 $\alpha$ ,11 $\beta$ ,16 $\alpha$ ,17 $\alpha$ OH)-form

**Synonym(s):** Flumethasone, BAN, USAN. Flumetasone, INN. 6 $\alpha$ ,9-Difluoro-11 $\beta$ ,17 $\alpha$ ,21-trihydroxy-16 $\alpha$ -methylpregna-1,4-diene-3,20-dione. Fluvet. Flucort. NSC 54702. Cortexillar. Many other names

**CAS Registry Number:** 2135-17-3

**Molecular Formula:** C<sub>22</sub>H<sub>28</sub>F<sub>2</sub>O<sub>5</sub>

**Molecular Weight:** 410.457

**Accurate Mass:** 410.190481

**Percentage Composition:** C 64.38%; H 6.88%; F 9.26%; O 19.49%

**Use/Importance:** Glucocorticoid. Antiinflammatory agent

**Calculated Log P Data:** Log P 0.88 (uncertain value) (calc)

**Sigma:** F9507

>>Derivative: 21-Ac

**Synonym(s):** Flumethasone acetate. Fluosmin

**CAS Registry Number:** 2823-42-9

**Molecular Formula:** C<sub>24</sub>H<sub>30</sub>F<sub>2</sub>O<sub>6</sub>

**Molecular Weight:** 452.494

**Accurate Mass:** 452.201046

**Percentage Composition:** C 63.71%; H 6.68%; F 8.40%; O 21.21%

**Use/Importance:** Glucocorticoid. Antiinflammatory agent

**Physical Description:** Cryst. (Me<sub>2</sub>CO/hexane)

**Melting Point:** Mp 260-264°

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub> +91

**Calculated Log P Data:** Log P 1.42 (uncertain value) (calc)

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

**Synonym(s):** Flumethasone pivalate, BAN, USAN. Locorten. Lorindren. NSC 107680. Many other names

**CAS Registry Number:** 2002-29-1

**Molecular Formula:** C<sub>27</sub>H<sub>36</sub>F<sub>2</sub>O<sub>6</sub>

**Molecular Weight:** 494.575

**Accurate Mass:** 494.247996

**Percentage Composition:** C 65.57%; H 7.34%; F 7.68%; O 19.41%

**Use/Importance:** Glucocorticoid. Antiinflammatory agent

**Melting Point:** Mp 229-230 dec.°. Mp 254-255 dec.° (dimorphic)

**Calculated Log P Data:** Log P 2.65 (uncertain value) (calc)

**Sigma:** F0891