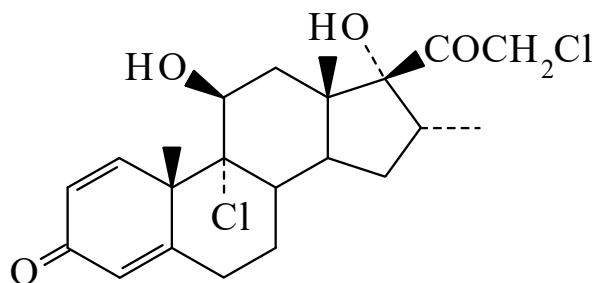




>>Entry Name: Mometasone, BAN, INN

Synonym(s): 9 $\alpha$ ,21-Dichloro-11 $\beta$ ,17 $\alpha$ -dihydroxy-16 $\alpha$ -methylpregna-1,4-diene-3,20-dione



CAS Registry Number: 105102-22-5

Molecular Formula: C<sub>22</sub>H<sub>28</sub>Cl<sub>2</sub>O<sub>4</sub>

Molecular Weight: 427.366

Accurate Mass: 426.136464

Percentage Composition: C 61.83%; H 6.60%; Cl 16.59%; O 14.97%

Biological Use/Importance: Corticosteroid

Calculated Log P Data: Log P 2.46 (uncertain value) (calc)

>>Derivative: 17-(2-Furanylcarbonyl)oxy

Synonym(s): Mometasone furoate, USAN. Sch 32088. Elocom. Elocon

CAS Registry Number: 83919-23-7

Molecular Formula: C<sub>27</sub>H<sub>30</sub>Cl<sub>2</sub>O<sub>6</sub>

Molecular Weight: 521.436

Accurate Mass: 520.141944

Percentage Composition: C 62.19%; H 5.80%; Cl 13.60%; O 18.41%

Biological Use/Importance: Topical corticosteroid; antiinflammatory, antiallergic agent

Physical Description: Cryst. (MeOH aq.)

Development Status: Launched 1987

Melting Point: Mp 218-220°

Optical Rotation: [ $\alpha$ ]<sub>D</sub><sup>26</sup>+58.3 (dioxan)

Calculated Log P Data: Log P 3.82 (uncertain value) (calc)

#### References:

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Popper, T.L. *et al.*, *J. Steroid Biochem.*, 1987, **27**, 837, (*pharmacol*)  
Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 737  
Prakash, A. *et al.*, *Drugs*, 1998, **55**, 145-163, (*pharmacol, rev*)  
Onrust, S.V. *et al.*, *Drugs*, 1998, **56**, 725-745, (*mometasone furoate, rev*)  
Draper, R.W. *et al.*, *Tetrahedron*, 1999, **55**, 3355-3364, (*furoate, synth*)