



Synonym(s): Beclometasone dipropionate, JAN, USAN. Aldecin. Becloforte. Beclojet. Beclodisk. Beclovent. Beconase. Becotide. Bezonase. Propaderm. Prolair. Respocort. Vancenase. Vanceril. Many other names

CAS Registry Number: 5534-09-8

Molecular Formula: $C_{28}H_{37}ClO_7$

Molecular Weight: 521.049

Accurate Mass: 520.222782

Percentage Composition: C 64.54%; H 7.16%; Cl 6.80%; O 21.49%

Biological Use/Importance: Glucocorticoid. Topical antiinflammatory. Used in treatment of asthma and rhinitis

Development Status: Marketed drug

Melting Point: Mp 117-120 dec.°

Optical Rotation: $[\alpha]_D +98$ (c, 1 in dioxan)

Calculated Log P Data: Log P 3.96 (uncertain value) (calc)

Sigma: B3022

References:

- Aldrich Library of ^{13}C and 1H FT NMR Spectra*, 1992, **3**, 586A, (nmr)
Robinson, C.H. *et al.*, *J.O.C.*, 1961, **26**, 2863-2867, (Icomethasone, synth)
U.K. Pat., 1962, 912 378; *CA*, **59**, 14082
Belg. Pat., 1964, 649 170; *CA*, **64**, 15958, (synth, beclometasone, derivs)
Duax, W.L. *et al.*, *Acta Cryst. B*, 1981, **37**, 383, (cryst struct, beclometasone, dipropionate)
Small, P. *et al.*, *Ann. Allergy*, 1982, **49**, 127, (rev, beclometasone, use)
Brogden, R.N. *et al.*, *Drugs*, 1984, **28**, 99, (rev, beclometasone, dipropionate)
Eur. Pat., 1986, Hovione, 170 500; *CA*, **105**, 60819v, (Icomethasone enbutate, synth, pharmacol)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 7th edn., Akademie-Verlag, 1994, 10842, (synonyms)
Martindale, The Extra Pharmacopoeia, 32nd edn., Pharmaceutical Press, 1999, 1032
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, AFJ625