



Beclomethasone dipropionate

Cat. No.:	OB0225WX-2549
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and HPLC.
Size:	5 mg; 25 mg; 50 mg

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Beclomethasone dipropionate is a potent synthetic glucocorticoid steroid that modulates corticosteroid-responsive signaling pathways.
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Synonym	Beclovent; Beconase; Vancenase; 5534-09-8; Beclometasone dipropionate; Beconase; Beclovent; Sanasthmax; Vancenase; Becloforte; Sanasthmyl; Aerobec; Beclomet; Be cotide; Entyderma; Korbutone; Propaderm; Vanceril; Becloturmant; Beclacin; Becla zone; Beclorhinol; Respocort; Ventolair; Aldecin; Viarox; Qvar; Propaderm Forte; Rino-clenil; Inalone R; Clenil-A; Alanase; Aldecina; Aldecine; Atomase; Beclate ; Becodisks; Benconase; Rhinosol; Turbinal; Clenil; Spir; Beclocort Nasel; Beclomet Nasal; Rhino Clenil; Inalone O; Beclometasone 17,21-dipropionate; Belchlorhi nol; Qvar 80; Sanasthmyl; Anceron; Becloval; Beconasol; Inalone; Menaderm; Viar ex; orBec; Vanceril Double Strength; Beclazone 250; 9-Chloro-11beta,17,21-trihydroxy-16beta-methylpregna-1,4-diene-3,20-dione 17,21-dipropionate; 9-Chloro-11beta-a-hydroxy-16beta-methylpregna-1,4-diene-3,20-dione 17,21-dipropionate; [2-[(8S,9R,10S,11S,13S,14S,16S,17R)-9-chloro-11-hydroxy-10,13,16-trimethyl-3-oxo-17-propanoyloxy-6,7,8,11,12,14,15,16-octahydrocyclopenta[a]phenanthren-17-yl]-2-oxoethyl] propanoate; Pregna-1,4-diene-3,20-dione, 9-chloro-11-hydroxy-16-methyl-17,21-bis(1-oxopropoxy)-, (11b eta.,16.beta.); MFCD00135613; (11beta,16beta)-9-chloro-11-hydroxy-16-methyl-17, 21-bis(1-oxopropoxy)pregna-1,4-diene-3,20-dione; (8S,9R,10S,11S,13S,14S,16S,17R)-9-chloro-11-hydroxy-10, 13,16-trimethyl-3-oxo-17-[2-(propionyloxy)acetyl]-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-17-yl propionate; 9-chloro-16beta-methyl-11beta,17,21-trihydroxypregna-1,4-diene-3,20-dione 17,21-dipropionate; (11beta,16beta)-9-chloro-11-hydroxy-16-methyl-3,20-dioxopregna-1,4-diene-17,21-diyl di propanoate
CAS No.	5534-09-8
Compound CID	21700
Formula	C ₂₈ H ₃₇ ClO ₇
Formula Weight	521.04

Specification

IUPAC Name	[2-[(8S,9R,10S,11S,13S,14S,16S, 17R)-9-Chloro-11-hydroxy-10,13,16-trimethyl-3-oxo-17-propanoyloxy-6,7,8,11,12,14,15,16-octahydrocyclopenta[a]phenanthren-17-yl]-2-oxoethyl] propan oate
InChI	InChI=1S/C28H37ClO7/c1-6-23(33)35-15-22(32)28(36-24(34)7-2)16(3)12-20-19-9-8-17-13-18(30)10-11-25(17,4)27(19,29)21(31)14-26(20,28)5/h10-11,13,16,19-21,31H,6-9,12,14-15H2,1-5H3/t16-,19-,20-,21-,25-,26-,27-,28-/m/s1
InChI Key	KUVIULQEHSUHY-XYWKZLDCSA-N
SMILES string	CCC(=O)OCC(=O)[C@]1([C@H](C[C@@H]2[C@@]1(C[C@@H]([C@]3([C@H]2CCC4=CC(=O)C=C[C@@]43C)Cl)O)C)OC(=O)CC
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	Beclomethasone dipropionate is employed in respiratory research as a potent glucocorticoid prodrug to investigate the suppression of airway inflammation and the regulation of cytokine production in asthma studies.

Library Information

Target	Glucocorticoid receptor
Pathways	Endocrinology & Hormones
Plate Number	L6700-05
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	104 mg/mL; 199.6 mM
Ethanol Max Solubility	18 mg/mL
ALogP	4.064
HBA_Count	6
HBD_Count	1
Rotatable Bond	8