



Cortisone acetate

Cat. No.:	OB0225WX-2496
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and HPLC.
Size:	50 mg; 100 mg; 200 mg; 500 mg

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

Product Overview

Description	Cortisone acetate is the acetate salt derivative of the steroid hormone cortisone, functioning as a systemic glucocorticoid.
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Synonym	Cortone; NSC 49420; 50-04-4; Cortisone 21-acetate; Cortone acetate; Incortin; Bi ocort acetate; Cortadren; Scheroson; Artriona; Cortisyl; Irison acetate; Cortel an; Cortistab; Ricortex; Adreson; Corlin; Cortogen acetate; Compound E acetate; Pregn-4-ene-3,11,20-trione, 21-(acetyloxy)-17-hydroxy-; Cortisone monoacetate; N SC 49420; Cortisone, 21-acetate; Cortisone aceticum; Cortisone (acetate); Cortil en; 11-Dehydro-17-hydroxycorticosterone-21-acetate; 11-Dehydro-17-hydroxycortico sterone acetate; 17,21-Dihydroxypregn-4-ene-3,11,20-trione 21-acetate; MFCD00003 609; Pregn-4-ene-3,11,20-trione, 17,21-dihydroxy-, 21-acetate; 21-(Acetyloxy)-17 -hydroxypregn-4-ene-3,11,20-trione; 17-Hydroxy-3,11,20-trioxopregn-4-en-21-yl ac etate; 21-Acetoxy-4-pregnen-17alpha-ol-3,11,20-trione; 17,21-Dihydroxypregn-4-en e-3,11,20-trione-21-acetate; 17alpha,21-dihydroxypregn-4-ene-3,11,20-trione acet ate; 2-((8S,9S,10R,13S,14S,17R)-17-hyd roxy-10,13-dimethyl-3,11-dioxo-2,3,6,7,8,9,10,11,12,13,14,15,16,17-tetradecahydr o-1H-cyclopenta[a]phenanthren-17-yl)-2-oxoethyl acetate; component of Neosone; C ortisone-21-acetate; 21-Acetoxy-17,alpha-hydroxy-3,11,20-triketopregnene-4; 21-A cetoxy-17,alpha-hydroxypregn-4-ene-3,11,20-trione; 2-[(1R,3aS,3bS,9aR,9bS,11aS)-1-hydroxy-9a,11a-dimethyl-7,10-dioxo-1H,2H,3H,3aH,3bH,4H,5H,7H,8H,9H,9aH,9bH,10H,11H,11aH-cyclopenta[a]phenanthren-1-y l]-2-oxoethyl acetate; 6alpha,9Difluoro-11beta,17,21-trihydroxypregna-1,4-diene- 3,20-dione 21-acetate 17-Butyrate
CAS No.	50-04-4
Compound CID	5745
Formula	C ₂₃ H ₃₀ O ₆
Formula Weight	402.48

Specification

IUPAC Name	[2-[(8S,9S,10R,13S,14S,17R)-17-Hydroxy -10,13-dimethyl-3,11-dioxo-1,2,6,7,8,9,12,14,15,16-decahydrocyclopenta[a]phenant hren-17-yl]-2-oxoethyl] acetate
InChI	InChI=1S/C23H30O6/c1-13(24)29-12-19(27)23(28)9-7-17-16-5-4-14-10-15(25)6-8-21(14,2)20(16)18(26)11-22(17,23)3/h10,16-17,20,28H,4-9,11-12H2,1-3H3/t16-,17-,20+,21-,22-,23-/m0/s1
InChI Key	ITRJWOMZKQRYTA-RFZYENFJSA-N
SMILES string	CC(=O)OCC(=O)[C@]1(CC[C@H]2[C@@]1(CC(=O)[C@H]3[C@H]2CCCC=CC(=O)CC[C@]34C)C)O
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	Cortisone acetate is applied in endocrinology and immunological studies as a syn thetic corticosteroid to investigate the systemic modulation of the stress respo nse and the suppression of inflammatory cell activity.

Library Information

Target	Glucocorticoid receptor
Pathways	Endocrinology & Hormones
Plate Number	L6700-04
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	7 mg/mL; 17.39 mM
ALogP	1.619
HBA_Count	5
HBD_Count	0
Rotatable Bond	4