

## Product Information

### Hydrocortisone buteprate, Purity $\geq 98\%$

**Cat. No.:** X24-09-YM1433

**Size:** 10 mg; 25 mg; 50 mg; 100 mg

**CAS Number:** 72590-77-3

**Compound CID:** 636398

**Synonym:** 72590-77-3; Hydrocortisone probutate; HBP;

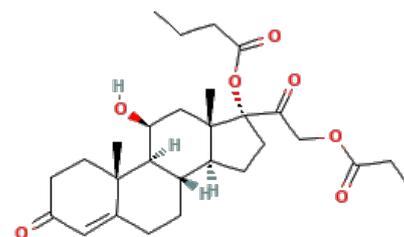
[(8S,9S,10R,11S,13S,14S,17R

)-11-Hydroxy-10,13-dimethyl-3-oxo

-17-(2-propanoyloxy

acetyl)-2,6,7,8,9,11,12,14,15,16-decahydro-1H-cyclopenta[a]phenanthren-17-yl]

butanoate



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

### Product Information

<b>Description</b>	Hydrocortisone buteprate is a medium potent, non-halogenated double-ester of hydrocortisone with a favorable benefit/risk ratio. The molecular weight of the compound is 488.61, and its molecular formula is $C_{28}H_{40}O_7$ .
<b>Molecular Weight</b>	488.61
<b>Molecular Formula</b>	$C_{28}H_{40}O_7$
<b>IUPAC Name</b>	[(8S,9S,10R,11S,13S,14S,17R)-11-Hydroxy-10,13-dimethyl-3-oxo-17-(2-propanoyloxyacetyl)-2,6,7,8,9,11,12,14,15,16-decahydro-1H-cyclopenta[a]phenanthren-17-yl]butanoate
<b>InChI</b>	InChI=1S/C28H40O7/c1-5-7-24(33)35-28(22(31)16-34-23(32)6-2)13-11-20-19-9-8-17-14-18(29)10-12-26(17,3)25(19)21(30)15-27(20,28)4/h14,19-21,25,30H,5-13,15-16H2,1-4H3/t19-,20-,21-,25+,26-,27-,28-/m0/s1
<b>InChI Key</b>	FOGXJFPZOHQS-AYVLZSQSA-N
<b>Canonical SMILES</b>	CCCC(=O)OC1(CCC2C1(CC(C3C2CCC4=CC(=O)CCC34C)O)C)C(=O)COC(=O)CC
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Impurities</b>	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
<b>Identity</b>	Confirmed by NMR/HPLC/MS.



<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.
<b>Quality Level</b>	Research grade
<b>Applications</b>	Hydrocortisone buteprate plays a key role in blocking the transcription of genes that encode inflammatory cytokines and chemokines.
<b>Storage</b>	Store at -20°C, and keep desiccated.

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