

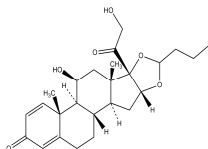
Product: Budesonide

ALTERNATE NAME: 16 α ,17-[butylidenebis(oxy)]-11 β ,21-dihydroxy-pregna-1,4-diene-3,20-dione; Pulmicort; Entocort

CATALOG #: 2773-50, 250

AMOUNT: 50 mg, 250 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₅H₃₄O₆

MOLECULAR WEIGHT: 430.53

CAS NUMBER: 51333-22-3

APPEARANCE: White solid

SOLUBILITY: DMSO (~40 mg/ml) or EtOH (~20 mg/ml)

PURITY: ≥95%

STORAGE: Store at -20°C. Protect from air and moisture

DESCRIPTION: Budesonide is a glucocorticoid steroid that activates the glucocorticoid receptor (EC₅₀ = 12.4 nM). Like other glucocorticoids, budesonide reduces inflammation and has utility in inflammatory diseases, like asthma and inflammatory bowel disease. Reverses DNA hypomethylation and modulates expression of cancer related genes.

REFERENCE: Millan, D.S., *et al.* (2011). *Bioorg. Med. Chem. Lett.* **21**, 5826-5830.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:
AM580 (Cat. No. 2635-1,5)
CD437 (Cat. No. 2636-5, 25)
Retinoic acid (Cat. No. 2218-50, 250)

FOR RESEARCH USE ONLY! Not to be used on humans.