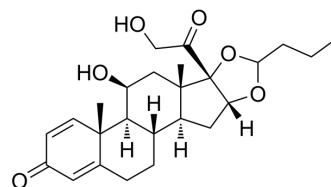


Budesonide (Standard)

Cat. No.:	HY-13580R
CAS No.:	51333-22-3
Molecular Formula:	C ₂₅ H ₃₄ O ₆
Molecular Weight:	430.53
Target:	Glucocorticoid Receptor
Pathway:	Immunology/Inflammation; Vitamin D Related/Nuclear Receptor
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 215 mg/mL (499.38 mM; Need ultrasonic and warming)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.3227 mL	11.6136 mL	23.2272 mL
5 mM	0.4645 mL	2.3227 mL	4.6454 mL
10 mM	0.2323 mL	1.1614 mL	2.3227 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Budesonide (Standard) is the analytical standard of Budesonide. This product is intended for research and analytical applications. Budesonide, an inhaled glucocorticoid steroid, is an orally active glucocorticoid receptor agonist. Budesonide decreases the size of lung tumors, reverses DNA hypomethylation and modulates mRNA expression of genes. Budesonide is an anti-inflammatory agent used for asthma^{[1][2][3]}.

CUSTOMER VALIDATION

- Mil Med Res. 2022 Jan 29;9(1):7.
- J Control Release. 2019 Dec 28;316:66-78.
- Drug Test Anal. 2020 Aug 27.

See more customer validations on www.MedChemExpress.com

Caution: Product has not been fully validated for medical applications. For research use only.

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