



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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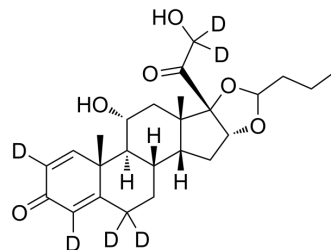
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## Budesonide-d<sub>6</sub>

Cat. No.:	HY-W742981
CAS No.:	1134189-63-1
Molecular Formula:	C <sub>25</sub> H <sub>28</sub> D <sub>6</sub> O <sub>6</sub>
Molecular Weight:	436.57
Target:	Isotope-Labeled Compounds; Glucocorticoid Receptor; ADC Cytotoxin
Pathway:	Others; Immunology/Inflammation; Vitamin D Related/Nuclear Receptor; Antibody-drug Conjugate/ADC Related
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Budesonide-d<sub>6</sub> is deuterium labeled Budesonide. 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<sup>[1][2][3][4]</sup>.

### REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Claudia Grossmann, et al. Transactivation via the Human Glucocorticoid and Mineralocorticoid Receptor by Therapeutically Used Steroids in CV-1 Cells: A Comparison of Their Glucocorticoid and Mineralocorticoid Properties. *Eur J Endocrinol*. 2004 Sep;151(3):397-406.
- [3]. Liang Dong, et al. Intranasal Application of Budesonide Attenuates Lipopolysaccharide-Induced Acute Lung Injury by Suppressing Nucleotide-Binding Oligomerization Domain-Like Receptor Family, Pyrin Domain-Containing 3 Inflammasome Activation in Mice. *J Immunol Res*. 2019 Feb 27;2019:7264383.
- [4]. Michael A Pereira, et al. Modulation by Budesonide of DNA Methylation and mRNA Expression in Mouse Lung Tumors. *Int J Cancer*. 2007 Mar 1;120(5):1150-3.

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

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