

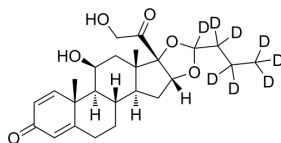
## Budesonide-d<sub>8</sub>

Cat. No.: HY-13580S  
 CAS No.: 1105542-94-6  
 Batch No.: 321366  
 Chemical Name: Pregna-1,4-diene-3,20-dione, 16,17-[butylidene-1,2,2,3,3,4,4,4-d8-bis(oxy)]-11,21-dihydroxy-, (11 $\beta$ ,16 $\alpha$ )-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>25</sub>H<sub>26</sub>D<sub>8</sub>O<sub>6</sub>  
 Molecular Weight: 438.58  
 Storage: -20°C, sealed storage, away from moisture  
 \* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
 MS: Consistent with structure  
 Purity (HPLC): 97.62%  
 Isotopic Enrichment: >98.0%  
 Conclusion: The product has been tested and complies with the given specifications.

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

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