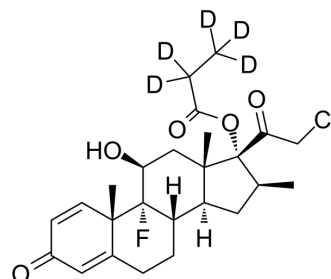


## Clobetasol propionate-d<sub>5</sub>

Cat. No.:	HY-13600S1
CAS No.:	2280940-18-1
Molecular Formula:	C <sub>25</sub> H <sub>27</sub> D <sub>5</sub> ClFO <sub>5</sub>
Molecular Weight:	472
Target:	Isotope-Labeled Compounds; Cytochrome P450
Pathway:	Others; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Clobetasol propionate-d<sub>5</sub> is a deuterium substitute of Clobetasol propionate. Clobetasol propionate is a potent, selective CYP3A5 inhibitor with a IC<sub>50</sub> of 0.206 μM and has potential for use in the study of psoriasis and other skin diseases<sup>[1][2]</sup>.

### REFERENCES

[1]. Wright WC, et al. Clobetasol Propionate Is a Heme-Mediated Selective Inhibitor of Human Cytochrome P450 3A5. *J Med Chem.* 2020 Feb 13;63(3):1415-1433.

[2]. Zeigler M, et al. Anti-CD11a ameliorates disease in the human psoriatic skin-SCID mouse transplant model: comparison of antibody to CD11a with Cyclosporin A and clobetasol propionate. *Lab Invest.* 2001 Sep;81(9):1253-61.

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

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