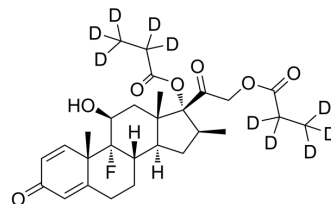


Betamethasone dipropionate-d₁₀

Cat. No.:	HY-13571S
CAS No.:	2280940-19-2
Molecular Formula:	C ₂₈ H ₂₇ D ₁₀ FO ₇
Molecular Weight:	514.65
Target:	Glucocorticoid Receptor; Isotope-Labeled Compounds
Pathway:	Immunology/Inflammation; Vitamin D Related/Nuclear Receptor; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Betamethasone dipropionate-d ₁₀ is the deuterium labeled Betamethasone dipropionate. Betamethasone dipropionate is a glucocorticoid steroid with anti-inflammatory and immunosuppressive abilities.
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216.

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

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