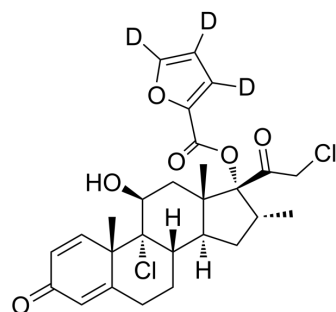


Mometasone furoate-d₃

Cat. No.:	HY-13693S
Molecular Formula:	C ₂₇ H ₂₇ D ₃ Cl ₂ O ₆
Molecular Weight:	524.45
Target:	Glucocorticoid Receptor
Pathway:	Immunology/Inflammation; Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Mometasone furoate-d ₃ is a deuterium labeled Mometasone furoate. Mometasone furoate (Sch32088) is a glucocorticoid receptor agonist with anti-inflammatory and anti-allergic activity[1].
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[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Galuppo M, et al. Use of Mometasone furoate in prolonged treatment of experimental spinal cord injury in mice: A comparative study of three different glucocorticoids. *Pharmacol Res.* 2015;99:316-328.
- [2]. 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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