Triamcinolone acetonide-d7

Cat. No.: HY-B0636S

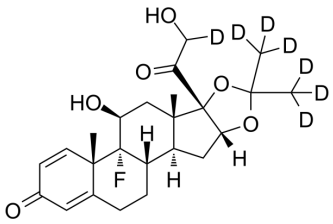
Molecular Formula: $C_{24}H_{24}D_7FO_6$

Molecular Weight: 441.54

Target: Glucocorticoid Receptor

Pathway: GPCR/G Protein

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Triamcinolone acetonide-d7 is the deuterium labeled Triamcinolone acetonide. Triamcinolone acetonide is a more potent type of triamcinolone, being about 8 times as effective as prednisone.
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.

[2]. http://en.wikipedia.org/wiki/Triamcinolone_acetonide

[3]. Zhen Xiang, et al. Glucocorticoids improve severe or critical COVID-19 by activating ACE2 and reducing IL-6 levels. Int J Biol Sci 2020; 16(13):2382-2391.

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