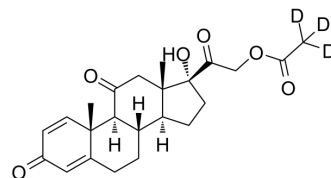


Prednisone acetate-d3

Cat. No.:	HY-B1832S
Molecular Formula:	C ₂₃ H ₂₅ D ₃ O ₆
Molecular Weight:	403.48
Target:	Glucocorticoid Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Prednisone acetate-d3 (Prednisone 21-acetate-d3) is the deuterium labeled Prednisone acetate. Prednisone acetate (Prednisone 21-acetate), the acetate salt form of prednisolone, is a glucocorticoid receptor agonist with anti-inflammatory and immunomodulating properties ^[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. 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]. Prednisolone acetate

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA