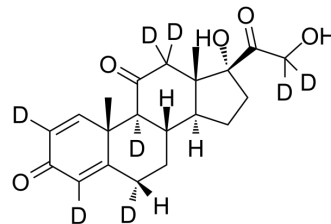


## Prednisone-d8

Cat. No.:	HY-B0214S
Molecular Formula:	C <sub>21</sub> H <sub>18</sub> D <sub>8</sub> O <sub>5</sub>
Molecular Weight:	366.48
Target:	Glucocorticoid Receptor; Apoptosis
Pathway:	GPCR/G Protein; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Prednisone-d8 (Dehydrocortisone-d8) is the deuterium labeled Prednisone. Prednisone (Adasone) is a synthetic corticosteroid agent that is particularly effective as an immunosuppressant compound.
<b>In Vitro</b>	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 <sup>[1]</sup> . 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]. RIEMER AD. Application of the newer corticosteroids to augment diuresis in congestive heart failure. *Am J Cardiol.* 1958 Apr;1(4):488-96.
- [3]. Zhang H, et al. Prednisone adding to usual care treatment for refractory decompensated congestive heart failure. *Int Heart J.* 2008 Sep;49(5):587-95.

**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