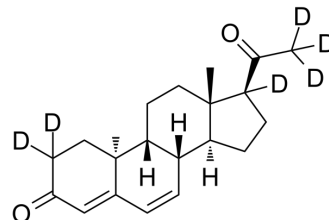


Dydrogesterone-D6

Cat. No.:	HY-B0257AS
Molecular Formula:	C ₂₁ H ₂₂ D ₆ O ₂
Molecular Weight:	318.48
Target:	Progesterone Receptor
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Dydrogesterone-D6 is the deuterium labeled Dydrogesterone. Dydrogesterone is a potent, orally active progestogen indicated in a wide variety of gynaecological conditions related to progesterone deficiency.
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]. Dydrogesterone, From Wikipedia, the free encyclopedia

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

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