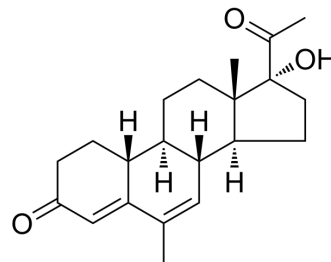


Nomegestrol

Cat. No.:	HY-105634
CAS No.:	58691-88-6
Molecular Formula:	C ₂₁ H ₂₈ O ₃
Molecular Weight:	328.45
Target:	Progesterone Receptor
Pathway:	Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Nomegestrol is a potent and orally available progestin, acts as a selective full progesterone receptor agonist, with a K _d of 5.44 nM for rat uterine progesterone receptor, and has moderate antiandrogenic activity and strong antiestrogenic activity.
IC₅₀ & Target	Kd: 5.44 nM (Rat uterine progesterone receptor) ^[1]
In Vitro	Nomegestrol is a progestin, has high binding affinity at progesterone receptor, with a K _d of 5.44 nM for rat uterine progesterone receptor ^[1] . Nomegestrol acetate (NOMAC) is a highly selective progesterone receptor full agonist, but shows no or little binding affinity at other steroid receptors, such as the androgen and glucocorticoid receptors. Nomegestrol acetate has moderate antiandrogenic activity and strong antiestrogenic activity ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Duc I, et al. Interaction of [3H]nomegestrol acetate with cytosolic progesterone receptors from the rat uterus. *Steroids*. 1991 Jun;56(6):325-8.
- [2]. Mueck AO, et al. Nomegestrol acetate, a novel progestogen for oral contraception. *Steroids*. 2011 May;76(6):531-9.

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

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