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Produktinformation



Forschungsprodukte & Biochemikalien



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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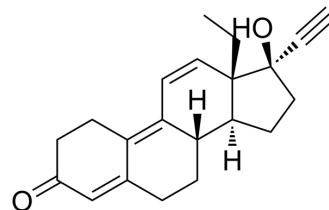
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Gestrinone (Standard)

Cat. No.:	HY-101405R
CAS No.:	16320-04-0
Molecular Formula:	C ₂₁ H ₂₄ O ₂
Molecular Weight:	308.41
Target:	Estrogen Receptor/ERR
Pathway:	Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Gestrinone (Standard) is the analytical standard of Gestrinone. This product is intended for research and analytical applications. Gestrinone (R2323) is a synthetic steroid hormone used to treat endometriosis. It inhibits leiomyoma cells with an IC ₅₀ of 43.67 μM. Gestrinone is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
IC ₅₀ & Target	IC50: 43.67 μM (leiomyoma cells) ^[2]

REFERENCES

- [1]. Tamaya T, et al. Gestrinone (R2323) binding to steroid receptors in human uterine endometrial cytosol. *Acta Obstet Gynecol Scand.* 1986;65(5):439-41.
- [2]. Zhu Y, et al. Gestrinone inhibits growth of human uterine leiomyoma may relate to activity regulation of ERα, Src and P38 MAPK. *Biomed Pharmacother.* 2012 Dec;66(8):569-77.
- [3]. Snyder BW, et al. Studies on the mechanism of action of danazol and gestrinone (R2323) in the rat: evidence for a masked estrogen component. *Fertil Steril.* 1989 Apr;51(4):705-10.
- [4]. Dowsett M, et al. A comparison of the effects of danazol and gestrinone on testosterone binding to sex hormone binding globulin in vitro and in vivo. *Clin Endocrinol (Oxf).* 1986 May;24(5):555-63.

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

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