



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

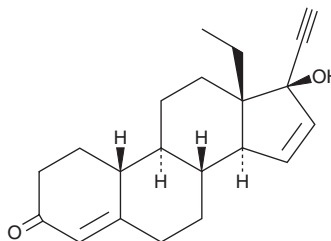
PRODUCT INFORMATION



Gestodene

Item No. 18217

CAS Registry No.: 60282-87-3
Formal Name: 13-ethyl-17 α -hydroxy-18,19-dinorpregna-4,15-dien-20-yn-3-one
MF: C₂₁H₂₆O₂
FW: 310.4
Purity: \geq 98%
UV/Vis.: λ_{max} : 239 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: \geq 2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Gestodene is supplied as a crystalline solid. A stock solution may be made by dissolving the gestodene in the solvent of choice, which should be purged with an inert gas. Gestodene is soluble in organic solvents such as ethanol, acetonitrile, and methanol. The solubility of gestodene in these solvents is approximately 1 mg/ml.

Description

Gestodene is a progestin.¹ It selectively binds to the progesterone receptor over the estrogen receptor.² Gestodene induces transcriptional activity mediated by the progesterone receptor, and, weakly, the androgen receptor in reporter assays.³ It increases the growth of MCF-7 cells when used at concentrations ranging from 0.1 to 1 μ M.⁴ In contrast, gestodene (0.1 mg/kg) reduces tumor growth in an estrogen-dependent model of rat mammary tumors induced by DMBA (Item No. 30383). Formulations containing gestodene, in combination with ethynyl estradiol have been used as oral contraceptives.

References

1. Stanczyk, F.Z. All progestins are not created equal. *Steroids* **68**, 879-890 (2003).
2. Pollow, K., Juchem, M., Grill, H.J., et al. Lack of binding of gestodene to estrogen receptor in human breast cancer tissue. *Eur. J. Cancer* **26(5)**, 608-610 (1990).
3. Fuhrmann, U., Slater, E.P., and Fritzscheier, K.H. Characterization of the novel progestin gestodene by receptor binding studies and transactivation assays. *Contraception* **51(1)**, 45-52 (1995).
4. Kloosterboer, H.J., Schoonen, W.G., Deckers, G.H.J., et al. Effects of progestagens and Org OD14 in *in vitro* and *in vivo* tumor models. *J. Steroid Biochem. Mol. Biol.* **49(4-6)**, 311-318 (1994).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 3/24/2021

CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA

PHONE: [800] 364-9897
[734] 971-3335

FAX: [734] 971-3640

CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM