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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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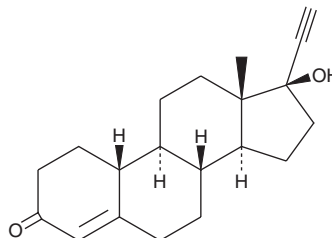
PRODUCT INFORMATION



Norethindrone

Item No. 20941

CAS Registry No.: 68-22-4
Formal Name: 17 α -hydroxy-19-norpregn-4-en-20-yn-3-one
Synonyms: Norethisterone, NSC 9564, SC 4640
MF: C₂₀H₂₆O₂
FW: 298.4
Purity: \geq 98%
UV/Vis.: λ_{max} : 239 nm
Supplied as: A crystalline solid
Storage: Room temperature
Stability: \geq 2 years



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

Laboratory Procedures

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

Description

Norethindrone is a synthetic progestin.¹ *In vivo*, norethindrone (0.5 mg/animal per day) inhibits the estrous cycle in female mice. It induces tumor progression and metastasis in a BT474 breast cancer mouse xenograft model.² Formulations containing norethindrone have been used as oral contraceptives.

References

1. Bruce, H.M. Preliminary note on the effect of 19-norethisterone on mating behavior and fertility in the mouse. *Proc. Soc. Study Fertility* **10**, 158-165 (1958).
2. Liang, Y., Benakanakere, I., Besch-Williford, C., *et al.* Synthetic progestins induce growth and metastasis of BT-474 human breast cancer xenografts in nude mice. *Menopause* **17(5)**, 1040-1047 (2010).

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.

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