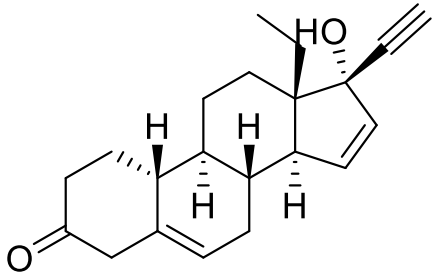


# Product data sheet



MedKoo Cat#: 317970 Name: Gestodene CAS: 60282-87-3 Chemical Formula: C <sub>21</sub> H <sub>26</sub> O <sub>2</sub> Exact Mass: 310.19328 Molecular Weight: 310.437		
Product supplied as:		Powder
Purity (by HPLC):		≥ 98%
Shipping conditions		Ambient temperature
Storage conditions:		Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.

## 1. Product description:

Gestodene is a progestogen hormonal contraceptive. Gestodene has been shown to be androgenically neutral meaning that contraceptive pills containing gestodene do not exhibit the androgenic side effects associated with second-generation contraceptive pills.

## 2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

## 3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
Acetonitrile	1.0	3.22
DMSO	81.0	260.92
Ethanol	9.5	30.60
Methanol	1.0	3.22

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	3.22 mL	16.11 mL	32.21 mL
5 mM	0.64 mL	3.22 mL	6.44 mL
10 mM	0.32 mL	1.61 mL	3.22 mL
50 mM	0.06 mL	0.32 mL	0.64 mL

## 5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

## 6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

1. Catherino WH, Jeng MH, Jordan VC. Norgestrel and gestodene stimulate breast cancer cell growth through an oestrogen receptor mediated mechanism. *Br J Cancer*. 1993 May;67(5):945-52. doi: 10.1038/bjc.1993.175. PMID: 8494728; PMCID: PMC1968434.

In vivo study

TBD

## 7. Bioactivity

Biological target:

Gestodene (SHB 331;WL 70) is a progestogen hormonal contraceptive.

In vitro activity

These studies suggest that the 19-norprogestins norgestrel and gestodene stimulate MCF-7 breast cancer cell growth by activating the oestrogen receptor.

# Product data sheet



Reference: Br J Cancer. 1993 May;67(5):945-52. <https://pubmed.ncbi.nlm.nih.gov/8494728/>

In vivo activity

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TBD

*Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.*