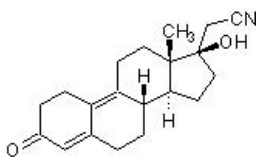


Product datasheet

# Dienogest, Steroidal progesterone ab141282

[1 References](#) [2 Images](#)

## Overview

Product name	Dienogest, Steroidal progesterone
Description	Steroidal progesterone
Biological description	Steroidal progesterone. Non-ethinylated progestin structurally related to testosterone. Anti-androgenic and antiproliferative effects <i>in vitro</i> .
Purity	> 99%
CAS Number	65928-58-7
Chemical structure	

## Properties

Chemical name	(17 $\alpha$ )-17-Hydroxy-3-oxo-19-norpregna-4,9-diene-21-nitrile
Molecular weight	311.42
Molecular formula	C <sub>20</sub> H <sub>25</sub> NO <sub>2</sub>
PubChem identifier	68861
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 100 mM
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>

**SMILES** O=C3C=C4CC[C@@H]2C(CC[C@@]1(C)[C@H]2CC[C@@]1(O)CC#N)=C4CC3

## Applications

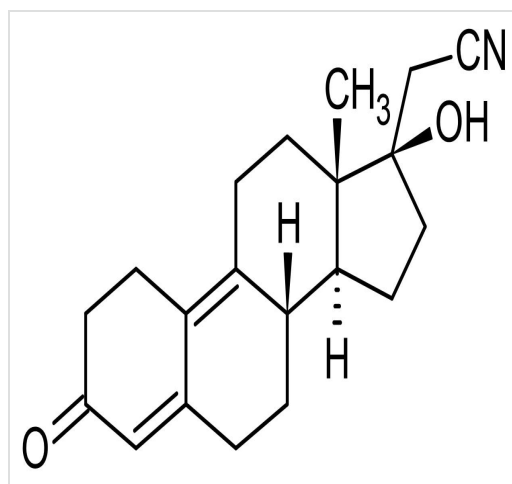
### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab141282 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

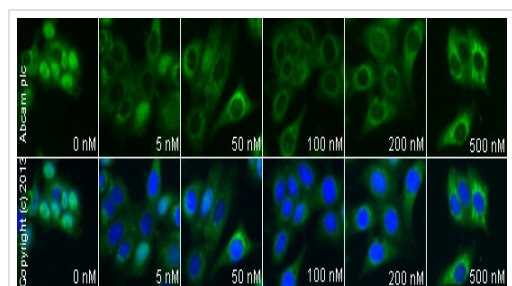
Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

## Images



Chemical Structure - Dienogest, Steroidal progesterone (ab141282)

2D chemical structure image of ab141282, Dienogest, Steroidal progesterone



Functional Studies - Dienogest, Steroidal progesterone (ab141282)

**ab16895** staining MDM2 in MCF7 cells treated with dienogest (ab141282), by ICC/IF. Decrease in MDM2 expression correlates with increased concentration of dienogest, as described in literature.

The cells were incubated at 37°C for 24 hour in media containing different concentrations of ab141282 (dienogest) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab16895** (5 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 anti-mouse polyclonal antibody (**ab96879**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

### **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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