

# Etonogestrel

Catalog No: tcsc2884



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg

**Size:** 200mg



## Specifications

**CAS No:**

54048-10-1

**Formula:**

$C_{22}H_{28}O_2$

**Pathway:**

Others;Others

**Target:**

Progesterone Receptor;Estrogen Receptor/ERR

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

3-Oxodesogestrel;3-keto-Desogestrel

**Observed Molecular Weight:**

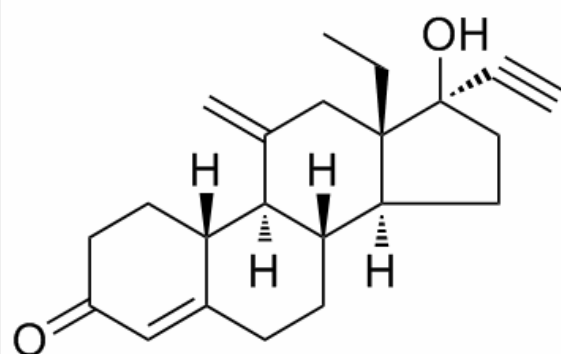
324.46

**Product Description**

Etonogestrel is a steroidal progestin used in hormonal contraceptives.

Target: Estrogen Receptor/ERR; Progesterone Receptor

Etonogestrel is used as a female contraceptive. Etonogestrel is a progestin or a synthetic form of the naturally occurring female sex hormone, progesterone. Etonogestrel tricks the body processes into thinking that ovulation has already occurred, by maintaining high levels of the synthetic progesterone. This prevents the release of eggs from the ovaries. Etonogestrel binds to the progesterone and estrogen receptors. Target cells include the female reproductive tract, the mammary gland, the hypothalamus, and the pituitary. Once bound to the receptor, progestins like etonogestrel will slow the frequency of release of gonadotropin releasing hormone (GnRH) from the hypothalamus and blunt the pre-ovulatory LH (luteinizing hormone) surge [1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!