

Dienogest

Catalog No: tcsc1782



Available Sizes

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

65928-58-7

Formula:

$C_{20}H_{25}NO_2$

Pathway:

Others;Autophagy

Target:

Progesterone Receptor;Autophagy

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

STS 557

Observed Molecular Weight:

311.42

Product Description

Dienogest(STS-557) is a specific progesterone receptor agonist with potent oral endometrial activity and is used in the treatment of endometriosis.

Target: progesterone receptor agonist

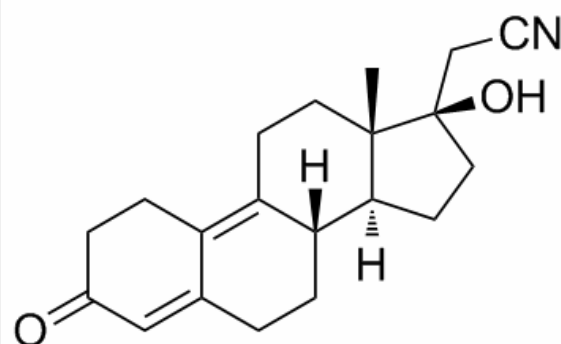
Dienogest is an orally active synthetic progesterone (or progestin). It is available for use as an oral contraceptive in combination with ethinylestradiol. It has antiandrogenic activity and as a result can improve androgenic symptoms. It is a non-ethinylated progestin which is structurally related to testosterone [1].

Complete sperm suppression was observed in rats sacrificed either 60 or 90 days after dienogest (DNG)+ testosterone undecanoate (TU) administration, for two injections at 45-day interval. The neutral α -glucosidase activity in these treated rats remained in the normal range. Germ cell loss due to apoptosis was frequently observed both after 60 or 90 days of combination treatment. Significant decline in serum gonadotropin and testosterone, both serum and intratesticular levels, were observed in the treated rats. Following stoppage of treatment (given at 45-day interval) after two (0 and 45 days) or three injections (0, 45 and 90 days), complete restoration of spermatogenesis was observed by 120 and 165 days, respectively [2].

Clinical indications: Adenomyosis; Endometriosis

FDA Approved Date: 1995

Toxicity: weight gain; increased blood pressure; breast tenderness and nausea



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