Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

Anastrozole

Catalog No: tcsc0716

Available Sizes

Size: 10mg

Size: 50mg

Size: 100mg

Size: 200mg

Size: 500mg

Specifications

CAS No:
120511-73-1

Formula:
$C_{17}H_{19}N_5$

Pathway:
Others

Target:
Aromatase

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 150 mg/mL (511.30 mM)

Alternative Names:
ZD1033

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Observed Molecular Weight:
293.37

Product Description

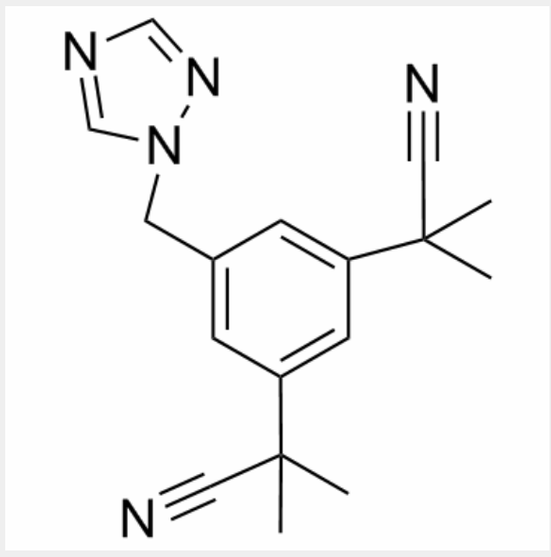
Anastrozole is a potent, highly selective **aromatase** inhibitor, which inhibits human placental aromatase with an $\mathbf{IC_{50}}$ of 15 nM.

IC50 & Target: IC50: 15 nM (human aromatase)[1]

In Vitro: Anastrozole is a comparatively simple, achiral benzyltriazole derivative, that inhibits human placental aromatase with an IC_{50} of 15 nM. In the same assay it is 200 times as potent as aminoglutethimide (AG), twice as potent as 4-OHA and one third as potent as Fadrozole[1].

In Vivo: Groups of eight immature (22-day-old) female rats are given androstenedione (AD) (30 mg/kg) in arachis oil s.c. daily for

3 days with or without various doses of Anastrozole p.o. on day 4 the uteri are dissected, blotted and weighed. An oral dose of 0.1 mg/kg of Anastrozole given on day 2 or day 3 of the cycle completely blocked ovulation. At the same daily dosage (0.1 mg/kg), Anastrozole completely extinguished the uterotrophic activity of exogenous AD in immature rats. In male pigtailed monkeys, twice-daily oral treatment with 0.1 mg/kg and above of Anastrozole reduced circulating oestradiol concentrations by 50-60%[1].



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