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

Toremifene (Citrate)

Catalog No: tcsc1272

Available Sizes

Size: 100mg

Size: 500mg

Specifications

CAS No:
89778-27-8

Formula:
$C_{32}H_{36}ClNO_8$

Pathway:
Others

Target:
Estrogen Receptor/ERR

Purity / Grade:
>98%

Solubility:
10 mM in DMSO

Alternative Names:
FC 1157a;NK 622

Observed Molecular Weight:
598.08

Product Description

Toremifene Citrate(NK 622; FC 1157a) is a second-generation selective estrogen-receptor modulator (SERM) in development for the prevention of osteoporosis.

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IC50 Value: 1±0.3 μM

Target: Estrogen receptor

Toremifene is a second-generation selective estrogen-receptor modulator (SERM) in development for the prevention of osteoporosis and other adverse effects resulting from ADT in men with prostate cancer [1].

in vitro: The growth of Ac-1 cells was inhibited by tamoxifen, toremifene and atamestane in vitro with IC50values of 1.8±1.3μM, 1±0.3μM and 60.4±17.2μM, respectively. The combination of toremifene plusatamestane was found to be better than toremifene or atamestane alone in vitro[2].

in vivo: The effect of this combination was then studied in vivo using Ac-1 xenografts grown in ovariectomized female SCID mice. The mice were injected with toremifene (1000μg/day), atamestane (1000μg/day), tamoxifen (100μg/day), or the combination of toremifene plus atamestane. In this study, our results indicate that the combination of toremifene plus atamestane was as effective as toremifene or tamoxifen alone but may not provide any additional benefit over toremifene alone or tamoxifen alone[2].

Clinical trail: Prostate cancer diagnosis among men with isolated high-grade intraepithelial neoplasia enrolled onto a 3-year prospective phase III clinical trial of oral toremifene[3].