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Zuschläge

- Mindermengenzuschlag
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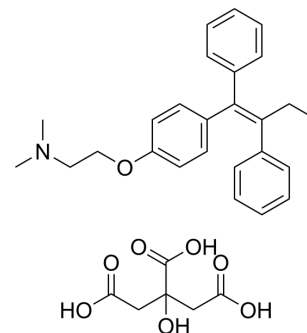
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Tamoxifen (Citrate) (Standard)

Cat. No.:	HY-13757R
CAS No.:	54965-24-1
Molecular Formula:	C ₃₂ H ₃₇ NO ₈
Molecular Weight:	563.64
Target:	Estrogen Receptor/ERR; HSP; Autophagy; Apoptosis
Pathway:	Vitamin D Related/Nuclear Receptor; Cell Cycle/DNA Damage; Metabolic Enzyme/Protease; Autophagy; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Tamoxifen (Citrate) (Standard) is the analytical standard of Tamoxifen (Citrate). This product is intended for research and analytical applications. Tamoxifen Citrate (ICI 46474) is an orally active, selective estrogen receptor modulator (SERM) which blocks estrogen action in breast cells and can activate estrogen activity in other cells, such as bone, liver, and uterine cells^[1]^[2]^[3]. Tamoxifen Citrate is a potent Hsp90 activator and enhances the Hsp90 molecular chaperone ATPase activity. Tamoxifen Citrate also potent inhibits infectious EBOV Zaire and Marburg (MARV) with IC₅₀ of 0.1 μM and 1.8 μM, respectively^[5]. Tamoxifen Citrate activates autophagy and induces apoptosis^[4]. Tamoxifen Citrate also can induce gene knockout of CreER(T2) transgenic mouse^[6].

REFERENCES

- [1]. Osborne CK. Tamoxifen in the treatment of breast cancer. N Engl J Med. 1998 Nov 26;339(22):1609-18.
- [2]. Hawariah A, et al. In vitro response of human breast cancer cell lines to the growth-inhibitory effects of styrylpyrone derivative (SPD) and assessment of its antiestrogenicity. Anticancer Res. 1998 Nov-Dec;18(6A):4383-6.
- [3]. Jia Y, et al. Cardiomyocyte-Specific Ablation of Med1 Subunit of the Mediator Complex Causes Lethal Dilated Cardiomyopathy in Mice. PLoS One. 2016 Aug 22;11(8):e0160755.
- [4]. Zhao R, et al. Tamoxifen enhances the Hsp90 molecular chaperone ATPase activity. PLoS One. 2010 Apr 1;5(4):e9934.
- [5]. Laura Cooper, et al. Screening and Reverse-Engineering of Estrogen Receptor Ligands as Potent Pan-Filovirus Inhibitors. J Med Chem. 2020 Sep 4.
- [6]. Feil S, et al. Inducible Cre mice. Methods Mol Biol. 2009;530:343-63.

Caution: Product has not been fully validated for medical applications. For research use only.

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