



MCF-7:2A Cells. It also inhibits ER $\alpha$  transcriptional activity, blocks cell cycle progression in MCF-7:5C cells and down-regulates cyclin D1.

#### Animal experiment

Animal models: Sprague Dawley rats

Dosage form: 0.1, 0.3, 1.0, and 3.0 mg/kg per day for 6 weeks

Applications: Dose response data for Bazedoxifene acetate demonstrate consistent, significant increased bone mass, compared with control animals via pQCT evaluation is achieved at 0.1 mg/kg per day with increases at 0.3, 1.0, and 3.0 mg/kg per day.

Preparation method: Bazedoxifene was administered orally in a saline, Tween-80, methylcellulose vehicle.

Other notes: Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

In Vivo

## Product Citations

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## References

1. Lewis-Wambi JS, Kim H, Curpan R, Grigg R, Sarker MA, Jordan VC. The selective estrogen receptor modulator bazedoxifene inhibits hormone-independent breast cancer cell growth and down-regulates estrogen receptor  $\alpha$  and cyclin D1. *Mol Pharmacol*. 2011 Oct;80(4):610-20.
2. Komm BS, Kharode YP, Bodine PV, Harris HA, Miller CP, Lyttle CR. Bazedoxifene acetate: a selective estrogen receptor modulator with improved selectivity. *Endocrinology*. 2005 Sep;146(9):3999-4008.

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most APEX<sup>x</sup>BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.*

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