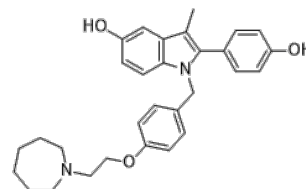


Product Name : Bazedoxifene
Cat. No. : PC-24541
CAS No. : 198481-32-2
Molecular Formula : C₃₀H₃₄N₂O₃
Molecular Weight : 470.61
Target : Estrogen Receptor/ERR
Solubility : 10 mM in DMSO



Biological Activity

Bazedoxifene (TSE-424, WAY-140424) is a potent, orally bioavailable, BBB-penetrant nonsteroidal selective estrogen receptor modulator (SERM) with IC₅₀ of 23 nM and 99 nM for ER α and ER β , respectively.

Bazedoxifene (TSE-424, WAY-140424) is a high-affinity ligand for ER α (and subsequently for ER β) with a K_i of 0.1 nM (0.3 nM for ER β) and no crossover binding to the other members of the steroid/retinoid family of nuclear receptors (e.g., androgen, progesterone, vitamin D, retinoid, rexinoid, etc.).

Bazedoxifene inhibits 17 β -estradiol-stimulated proliferation in MCF-7 cells with IC₅₀ of 0.19 nM.

Bazedoxifene reduces raloxifene-stimulated endometrial luminal epithelial cell and myometrial cell hypertrophy.

References

Komm BS, et al. Ann N Y Acad Sci. 2001 Dec;949:317-26.

Ronkin S, et al. Obstet Gynecol. 2005 Jun;105(6):1397-404.

Komm BS, et al. Endocrinology. 2005 Sep;146(9):3999-4008.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com