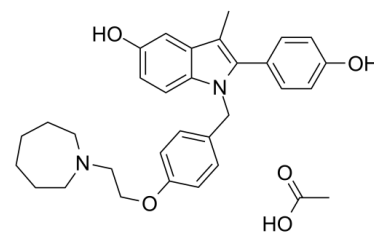


Data Sheet

Product Name:	Bazedoxifene (acetate)
Cat. No.:	CS-1020
CAS No.:	198481-33-3
Molecular Formula:	C32H38N2O5
Molecular Weight:	530.65
Target:	Estrogen Receptor/ERR
Pathway:	Others
Solubility:	DMSO : ≥ 100 mg/mL (188.45 mM); H ₂ O : < 0.1 mg/mL (insoluble)



BIOLOGICAL ACTIVITY:

Bazedoxifene acetate (TSE-424 acetate) is a third generation **selective estrogen receptor modulator (SERM)** with IC₅₀s of 26 and 99 nM for ER α and ER β , respectively. IC₅₀ & Target: IC₅₀: 26 nM (ER α), 99 nM (ER β)^[1]

References:

- [1]. Jaime Kulak, et al. Treatment with Bazedoxifene, a Selective Estrogen Receptor Modulator, Causes Regression of Endometriosis in a Mouse Model. *Endocrinology*. 2011; 152(8): 3226-3232.
- [2]. Hisaya Kawate, Ryoichi Takayanagi. Efficacy and safety of bazedoxifene for postmenopausal osteoporosis. *Clin Interv Aging*. 2011; 6: 151-160.
- [3]. Stefano Lello, et al. Bazedoxifene: literature data and clinical evidence. *Clin Cases Miner Bone Metab*. 2011; 8(3): 29-32.
- [4]. Joan S. Lewis-Wambi, Helen Kim, Ramona Curpan, et al. The Selective Estrogen Receptor Modulator Bazedoxifene Inhibits Hormone-Independent Breast Cancer Cell Growth and Down-Regulates Estrogen Receptor α and Cyclin D1. *Mol Pharmacol*. 2011 ; 80(4): 610-620.
- [5]. Diane M Biskobing. Update on bazedoxifene: A novel selective estrogen receptor modulator. *Clin Interv Aging*. 2007; 2(3): 299-303.

CAIndexNames:

1H-Indol-5-ol, 1-[[4-[2-(hexahydro-1H-azepin-1-yl)ethoxy]phenyl]methyl]-2-(4-hydroxyphenyl)-3-methyl-, acetate (1:1)

SMILES:

CC1=C(C2=CC=C(O)C=C2)N(CC3=CC=C(OCCN4CCCCC4)C=C3)C5=CC=C(O)C=C51.CC(O)=O

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

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