



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

PRODUCT INFORMATION



Bazedoxifene (acetate)

Item No. 15005

CAS Registry No.: 198481-33-3

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

Synonym: TSE 424

MF: $C_{30}H_{34}N_2O_3 \cdot C_2H_4O_2$

FW: 530.7

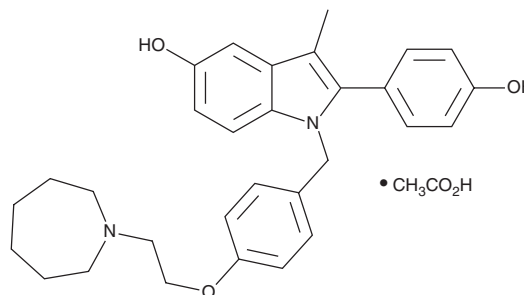
Purity: $\geq 98\%$

UV/Vis.: λ_{max} : 227, 299 nm

Supplied as: A crystalline solid

Storage: -20°C

Stability: ≥ 4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Bazedoxifene (acetate) is supplied as a crystalline solid. A stock solution may be made by dissolving the bazedoxifene (acetate) in the solvent of choice, which should be purged with an inert gas. Bazedoxifene (acetate) is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF). The solubility of bazedoxifene (acetate) in these solvents is approximately 5, 14, and 50 mg/ml, respectively.

Bazedoxifene (acetate) is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, bazedoxifene (acetate) should first be dissolved in DMF and then diluted with the aqueous buffer of choice. Bazedoxifene (acetate) has a solubility of approximately 0.04 mg/ml in a 1:20 solution of DMF:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

Bazedoxifene (acetate) is a third generation selective estrogen receptor modulator (SERM). It is an indole-based ER ligand that binds to both ER α (IC₅₀ = 26 nM) and ER β (IC₅₀ = 99 nM).¹ Bazedoxifene (acetate) antagonizes 17 β -estradiol-dependent MCF-7 and T47D breast cancer cell proliferation *in vitro* as well as hormone-independent growth of MCF-7:⁵C cells that are resistant to long-term estrogen deprivation (80% reduction with 10 nM).² It has been shown to arrest cell cycling by downregulating cyclin D1 and ER α .²

References

1. Komm, B.S., Kharode, Y.P., Bodine, P.V.N., *et al.* Bazedoxifene acetate: A selective estrogen receptor modulator with improved selectivity. *Endocrinology* **146**(9), 3999-4008 (2005).
2. Lewis-Wambi, J.S., Kim, H., Curpan, R., *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.* **80**(4), 610-620 (2011).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 10/06/2022

CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA

PHONE: [800] 364-9897
[734] 971-3335

FAX: [734] 971-3640

CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM