



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

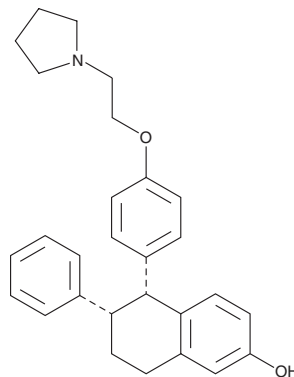
[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

PRODUCT INFORMATION



Lasofoxifene Item No. 21754

CAS Registry No.: 180916-16-9
Formal Name: (5R,6S)-5,6,7,8-tetrahydro-6-phenyl-5-[4-[2-(1-pyrrolidinyl)ethoxy]phenyl]-2-naphthalenol
Synonym: CP 336,156
MF: C₂₈H₃₁NO₂
FW: 413.6
Purity: ≥98%
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥2 years



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

Laboratory Procedures

Lasofoxifene is supplied as a crystalline solid. A stock solution may be made by dissolving the lasofoxifene in the solvent of choice. Lasofoxifene is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of lasofoxifene in ethanol is approximately 1.5 mg/ml and approximately 20 mg/ml in DMSO and DMF.

Lasofoxifene is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, lasofoxifene should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. Lasofoxifene has a solubility of approximately 0.5 mg/ml in a 1:1 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

Lasofoxifene is a third-generation, non-steroidal selective estrogen receptor modulator (SERM). It selectively binds to human ER α with an IC₅₀ value of 1.5 nM and inhibits bone loss in ovariectomized rats.¹ In clinical studies of postmenopausal osteoporosis, 0.5 mg/day lasofoxifene was associated with reduced risks of nonvertebral and vertebral fractures, ER-positive breast cancer, coronary heart disease, and stroke but an increased risk of venous thromboembolic events.^{2,3} Lasofoxifene has also been shown to act as an inverse agonist at the CB₂ cannabinoid receptor, indicating its potential to be repurposed as a therapeutic for indications wherein CB₂ is a target.⁴

References

1. Ke, H. Z., Paralkar, V. M., Grasser, W. A., *et al.* Effects of CP-336,156, a new, nonsteroidal estrogen agonist/antagonist, on bone, serum cholesterol, uterus, and body composition in rat models. *Endocrinology* **139**(4), 2068-2076 (1998).
2. Cummings, S. R., Ensrud, K., Delmas, P. D., *et al.* Lasofoxifene in postmenopausal women with osteoporosis. *N. Engl. J. Med.* **362**(8), 686-696 (2010).
3. Gennari, L., Merlotti, D., and Nuti, R. Selective estrogen receptor modulator (SERM) for the treatment of osteoporosis in postmenopausal women: Focus on lasofoxifene. *Clin. Interv. Aging* **5**, 19-29 (2010).
4. Kumar, P. and Song, Z.H. CB₂ cannabinoid receptor is a novel target for third-generation selective estrogen receptor modulators bazedoxifene and lasofoxifene. *Biochem. Bioph. Res. Co.* **443**(1), 144-149 (2014).

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, 06/12/2017

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