



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

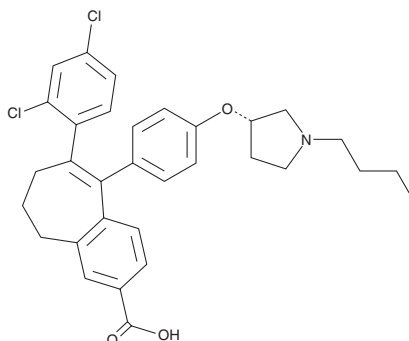


SAR439859

Item No. 40748

CAS Registry No.: 2114339-57-8
Formal Name: 8-(2,4-dichlorophenyl)-9-[4-[[[(3S)-1-(3-fluoropropyl)-3-pyrrolidinyl]oxy]phenyl]-6,7-dihydro-5H-benzocycloheptene-3-carboxylic acid

Synonym: Amcnestrant
MF: C₃₁H₃₀Cl₂FNO₃
FW: 554.5
Purity: ≥98%
Supplied as: A 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

SAR439859 is supplied as a solid. A stock solution may be made by dissolving the SAR439859 in the solvent of choice, which should be purged with an inert gas. SAR439859 is sparingly soluble (1-10 mg/ml) in DMSO.

Description

SAR439859 is a selective estrogen receptor degrader (SERD).¹ It selectively induces degradation of estrogen receptor α (ER α) in MCF-7 breast cancer cells (EC₅₀ = 0.2 nM) over ER β , glucocorticoid, androgen, progesterone, and mineralocorticoid receptors at 5 μ M but does activate ER β signaling in reporter cells.² SAR439859 decreases 17 β -estradiol-induced proliferation of MCF-7 cells expressing wild-type ER α , MCF-7 cells expressing ER α containing a tyrosine-to-serine substitution at position 537 (ER α ^{Y537S}), and MCF-7 cells expressing ER α ^{D538G} (EC₅₀s = 20, 331, and 595 nM, respectively). *In vivo*, SAR439859 (100 mg/kg per day) reduces tumor volume to a greater extent than the ER degraders fulvestrant (Item No. 10011269) or GDC-0810 (ARN810; Item No. 29595) in a patient-derived xenograft (PDX) mouse model of breast cancer resistant to the ER antagonist tamoxifen (Item Nos. 13258 | 11629).

References

1. El-Ahmad, Y., Tabart, M., Halley, F., *et al.* Discovery of 6-(2,4-dichlorophenyl)-5-[4-[[[(3 S)-1-(3-fluoropropyl) pyrrolidin-3-yl]oxy]phenyl]-8,9-dihydro-7 H-benzo[7]annulene-2-carboxylic acid (SAR439859), a potent and selective estrogen receptor degrader (SERD) for the treatment of estrogen-receptor-positive breast cancer. *J. Med. Chem.* **63**(2), 512-528 (2020).
2. Shomali, M., Cheng, J., Sun, F., *et al.* SAR439859, a novel selective estrogen receptor degrader (SERD), demonstrates effective and broad antitumor activity in wild-type and mutant ER-positive breast cancer models. *Mol. Cancer Ther.* **20**(2), 250-262 (2021).

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, 04/26/2024

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