



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) 

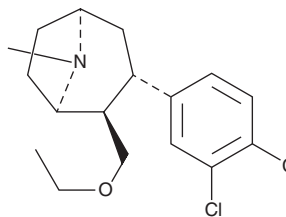
PRODUCT INFORMATION



Tesofensine

Item No. 35224

CAS Registry No.: 195875-84-4
Formal Name: (1R,2R,3S,5S)-3-(3,4-dichlorophenyl)-2-(ethoxymethyl)-8-methyl-8-azabicyclo[3.2.1]octane
Synonym: NS 2330
MF: C₁₇H₂₃Cl₂NO
FW: 328.3
Purity: ≥95%
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

Tesofensine is supplied as a solid. A stock solution may be made by dissolving the tesofensine in the solvent of choice, which should be purged with an inert gas. Tesofensine is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of tesofensine in these solvents is approximately 1 and 2 mg/ml, respectively. Tesofensine is also slightly soluble in ethanol.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of tesofensine can be prepared by directly dissolving the solid in aqueous buffers. The solubility of tesofensine in PBS (pH 7.2) is approximately 0.14 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

Tesofensine is a triple monoamine reuptake inhibitor that inhibits norepinephrine, serotonin (5-HT), and dopamine reuptake function.^{1,2} *In vivo*, tesofensine (2 mg/kg, s.c.) reduces body weight and food intake in a rat model of high-fat diet-induced obesity.¹

References

1. Axel, A., M.D., Mikkelsen, J.D., and Hansen, H.H. Tesofensine, a novel triple monoamine reuptake inhibitor, induces appetite suppression by indirect stimulation of α_1 adrenoceptor and dopamine D₁ receptor pathways in the diet-induced obese rat. *Neuropsychopharmacology* **35(7)**, 1464-1476 (2010).
2. van de Giessen, E., de Bruin, K., la Fleur, S.E., *et al.* Triple monoamine inhibitor tesofensine decreases food intake, body weight, and striatal dopamine D2/D3 receptor availability in diet-induced obese rats. *Eur. Neuropsychopharmacol.* **22(4)**, 290-299 (2012).

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, 12/12/2022

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