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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) 

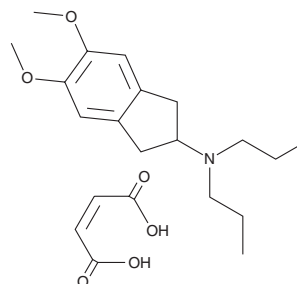
PRODUCT INFORMATION



U-99194 (maleate)

Item No. 35854

CAS Registry No.: 234757-41-6
Formal Name: 2,3-dihydro-5,6-dimethoxy-N,N-dipropyl-1H-inden-2-amine, 2Z-butenedioate
Synonyms: PNU-99194, U-99194A
MF: C₁₇H₂₇NO₂ • C₄H₄O₄
FW: 393.5
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

U-99194 (maleate) is supplied as a solid. A stock solution may be made by dissolving the U-99194 (maleate) in the solvent of choice, which should be purged with an inert gas. U-99194 (maleate) is soluble in methanol and DMSO.

Description

U-99194 is a dopamine D₃ receptor antagonist (K_i = 160 nM for the human receptor).¹ It is selective for dopamine D₃ receptors over the α₁-adrenergic receptor (α₁-AR; K_i = 8,913 nM for the rat receptor), M₁ muscarinic acetylcholine receptor (mAChR), serotonin (5-HT) receptor subtype 5-HT_{1A}, and dopamine D₄ receptor (K_is = 2,090, 4,230, and >10,000 nM for the human receptors). U-99194 reverses hypothermia induced by the D₃ receptor agonists (+)-7-OH-DPAT or (+)-PD 128907 (Item No. 21235) in rats with half-maximal inhibitory dose (ID₅₀) values of 19.1 and 12.9 mg/kg, respectively. It increases non-social exploration, social investigation, and the latency to attack in a mouse model of isolation-induced aggressiveness when administered at a dose of 40 mg/kg.²

References

1. Audinot, V., Newman-Tancredi, A., Gobert, A., *et al.* A comparative *in vitro* and *in vivo* pharmacological characterization of the novel dopamine D₃ receptor antagonists (+)-S 14297, nafadotride, GR 103,691 and U 99194. *J. Pharmacol. Exp. Ther.* **287**(1), 187-197 (1998).
2. Rodríguez-Arias, M., Felip, C.M., Broseta, I., *et al.* The dopamine D₃ antagonist U-99194A maleate increases social behaviors of isolation-induced aggressive male mice. *Psychopharmacology (Berl.)* **144**(1), 90-94 (1999).

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.

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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