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Lieferung & Zahlungsart

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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) 

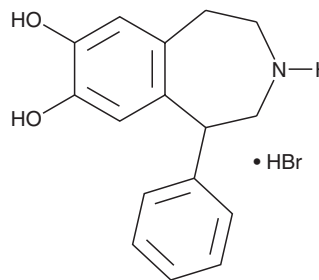
PRODUCT INFORMATION



SKF 38393 (hydrobromide)

Item No. 19150

CAS Registry No.: 20012-10-6
Formal Name: 2,3,4,5-tetrahydro-1-phenyl-1H-3-benzazepine-7,8-diol, monohydrobromide
MF: $C_{16}H_{17}NO_2 \cdot HBr$
FW: 336.2
Purity: $\geq 98\%$
UV/Vis.: λ_{max} : 286 nm
Supplied as: A crystalline solid
Storage: $-20^{\circ}C$
Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly



Laboratory Procedures

SKF 38393 (hydrobromide) is supplied as a crystalline solid. A stock solution may be made by dissolving the SKF 38393 (hydrobromide) in the solvent of choice. SKF 38393 (hydrobromide) is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of SKF 38393 (hydrobromide) in ethanol is approximately 2 mg/ml and approximately 20 mg/ml in DMSO and DMF.

SKF 38393 (hydrobromide) is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, SKF 38393 (hydrobromide) should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. SKF 38393 (hydrobromide) has a solubility of approximately 0.04 mg/ml in a 1:20 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

SKF 38393 is a partial agonist of the dopamine D_1 -like receptors D_1 and D_5 (K_i s = 1 and ~ 0.5 nM, respectively).¹ It less potently binds D_2 , D_3 , and D_4 receptors (K_i s = ~ 150 , 5,000, and 1,000 nM, respectively).^{1,2}

References

1. Seeman, P. and Van Tol, H.H.M. Dopamine receptor pharmacology. *Trends Pharmacol. Sci.* **15**(7), 264-270 (1994).
2. Neumeyer, J.L., Kula, N.S., Bergman, J., et al. Receptor affinities of dopamine D_1 receptor-selective novel phenylbenzazepines. *Eur. J. Pharmacol.* **474**(2-3), 137-140 (2003).

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.

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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