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Produktinformation

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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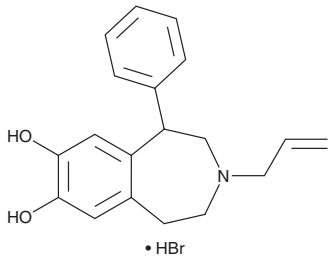
PRODUCT INFORMATION

N-Allyl-(±)-SKF 38393 (hydrobromide)

Item No. 32776

CAS Registry No.: 300561-58-4
Formal Name: 2,3,4,5-tetrahydro-1-phenyl-3-(2-propen-1-yl)-1H-3-benzazepine-7,8-diol, monohydrobromide
MF: $C_{19}H_{21}NO_2 \bullet HBr$
FW: 376.3
Purity: ≥98%
Supplied as: A 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

N-Allyl-(±)-SKF 38393 (hydrobromide) is supplied as a solid. A stock solution may be made by dissolving the N-allyl-(±)-SKF 38393 (hydrobromide) in the solvent of choice, which should be purged with an inert gas. N-Allyl-(±)-SKF 38393 (hydrobromide) is soluble in organic solvents such as ethanol and DMSO. It is also soluble in water. The solubility of N-allyl-(±)-SKF 38393 (hydrobromide) in these solvents is approximately 10 mM in ethanol and water and 100 mM in DMSO. We do not recommend storing the aqueous solution for more than one day.

Description

N-Allyl-(±)-SKF 38393 is a dopamine D_1 receptor partial agonist.[1] It is selective for dopamine D_1 over D_2 receptors in radioligand binding assays (K_is = 302 and 5,250 nM, respectively). N-Allyl-(±)-SKF 38393 reduces food intake in rats (ED_{50} = 3.6 mg/kg).[2] It reduces cocaine and food self-administration in squirrel monkeys when administered at doses ranging from 0.1 to 10 mg/kg.[3]

References

1. Daly, S.A. and Waddington, J.L. D-1 dopamine receptors and the topography of unconditioned motor behaviour: studies with the selective, 'full efficacy' benzazepine D-1 agonist SKF 83189. *J. Psychopharmacol.* **6(1)**, 50-60 (1992).
2. Terry, P. and Katz, J.L. Differential antagonism of the effects of dopamine D1-receptor agonists on feeding behavior in the rat. *Psychopharmacology (Berl)* **109(4)**, 403-409 (1992).
3. Platt, D.M., Rowlett, J.K., and Spealman, R.D. Modulation of cocaine and food self-administration by low- and high-efficacy D1 agonists in squirrel monkeys. *Psychopharmacology (Berl)* **157(2)**, 208-216 (2001).

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