

Product Name: SKF 38393 hydrobromide

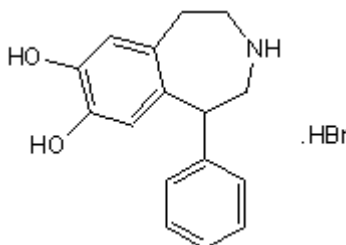
Catalog No.: 0922 **Batch No.:** 11

CAS Number: 20012-10-6

IUPAC Name: (±)-1-Phenyl-2,3,4,5-tetrahydro-(1*H*)-3-benzazepine-7,8-diol hydrobromide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₆H₁₇NO₂.HBr
Batch Molecular Weight: 336.23
Physical Appearance: White solid
Solubility: water to 25 mM with gentle warming
 ethanol to 25 mM with gentle warming
 DMSO to 100 mM
Storage: Desiccate at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.51 (Butanol:Acetic acid:Water [4:1:1])
HPLC: Shows 98.8% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	57.16	5.4	4.16
Found	56.97	5.33	4.14

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Product Name: SKF 38393 hydrobromide

Catalog No.: 0922 **Batch No.:** 11

CAS Number: 20012-10-6

IUPAC Name: (±)-1-Phenyl-2,3,4,5-tetrahydro-(1*H*)-3-benzazepine-7,8-diol hydrobromide

Description:

Prototypical D₁-like dopamine receptor selective partial agonist (K_i values are 1, ~ 0.5, ~ 150, ~ 5000 and ~ 1000 nM for D₁, D₅, D₂, D₃ and D₄ receptors respectively).

Physical and Chemical Properties:

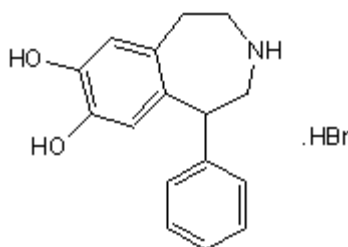
Batch Molecular Formula: C₁₆H₁₇NO₂.HBr

Batch Molecular Weight: 336.23

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Desiccate at -20°C

Solubility & Usage Info:

water to 25 mM with gentle warming
ethanol to 25 mM with gentle warming
DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Sibley et al (1982) Interactions of novel dopaminergic ligands with D₁ and D₂ dopamine receptors. *Life Sci.* **31** 637. PMID: 6127585.

Seeman and Van Tol (1994) Dopamine receptor pharmacology. *TIPS* **15** 264. PMID: 7940991.

Geter-Douglass et al (1997) Characterization of unconditioned behavioral effects of dopamine D₃/D₂ receptor agonists. *J.Pharmacol.Exp.Ther.* **283** 7. PMID: 9336302.

Habuchi et al (1997) Dopamine stimulation of cardiac β-adrenoceptors: the involvement of sympathetic amine transporters and the effect of SKF38393. *Br.J.Pharmacol.* **122** 1669. PMID: 9422813.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Tocris Bioscience is an R&D Systems company
USA & CANADA Tel: (800) 343-7475 EUROPE Tel: +44 (0)1235 529449 CHINA Tel: +86 (21) 52380373
www.RnDSystems.com

R&D
SYSTEMS®