### Product overview

**Name**
SKF 83566 hydrobromide

**Cat No**
HB1863

**Short description**
Potent, selective D₁-like receptor antagonist

**Biological description**
Potent, selective D₁-like receptor antagonist (Kᵢ values are 0.3 and 0.4 nM at D₁ and D₅ receptors respectively). Also inhibits DAT (IC₅₀ = 5.7 µM) and acts as a selective adenylyl cyclase 2 (AC2) inhibitor. Centrally active following systemic administration.

**Alternative names**
SKF-83566

**Biological action**
Antagonist

**Purity**
>98%

### Properties

**Chemical name**
8-Bromo-2,3,4,5-tetrahydro-3-methyl-5-phenyl-1H-3-benzazepin-7-ol hydrobromide

**Molecular Weight**
413.15

**Chemical structure**
![Chemical structure of SKF 83566 hydrobromide](image)

**Molecular Formula**
C₁₇H₁₈BrNO.HBr

**CAS Number**
108179-91-5

**PubChem identifier**
23581817

**SMILES**
Br.CN1CCC2=CC(Br)=C(O)C=C2C(G1)C1=CC=CC=C1

**InChiKey**
SDQJYYGODYRPBR-UHFFFAOYSA-N

### Storing and Using Your Product

**Storage instructions**
room temperature (desiccate)

**Important**
This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### References for SKF 83566 hydrobromide

Cloning of the gene for a human dopamine D5 receptor with higher affinity for dopamine than D1.

**PubMedID:** 1826762
Locomotor stereotypy produced by dexbenzetimide and scopolamine is reduced by SKF 83566, not sulpiride.
PubMedID: 9678647

SKF-83566, a D1-dopamine receptor antagonist, inhibits the dopamine transporter.
PubMedID: 21689106

Development of a high-throughput screening paradigm for the discovery of small-molecule modulators of adenylyl cyclase: identification of an adenylyl cyclase 2 inhibitor.
PubMedID: 24008337