

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customer-care-usa@m2stage.hellobio.com



DATASHEET

SKF 83566 hydrobromide

Product overview

Name	SKF 83566 hydrobromide
Cat No	HB1863
Alternative names	SKF-83566
Biological action	Antagonist
Purity	>98%
Description	Potent, selective D ₁ -like receptor antagonist

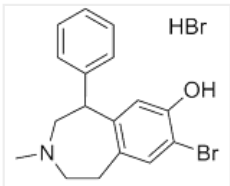
Biological Data

Biological description	Potent, selective D ₁ -like receptor antagonist (K _i values are 0.3 and 0.4 nM at D ₁ and D ₅ receptors respectively). Also inhibits DAT (IC ₅₀ = 5.7 μM) and acts as a selective adenylyl cyclase 2 (AC2) inhibitor. Centrally active following systemic administration.
-------------------------------	--

Solubility & Handling

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.

Chemical Data

Chemical name	8-Bromo-2,3,4,5-tetrahydro-3-methyl-5-phenyl-1 <i>H</i> -3-benzazepin-7-ol hydrobromide
Molecular Weight	413.15
Chemical structure	
Molecular Formula	C ₁₇ H ₁₈ BrNO.HBr
CAS Number	108179-91-5
PubChem identifier	23581817
SMILES	Br.CN1CCC2=CC(Br)=C(O)C=C2C(C1)C1=CC=CC=C1
InChiKey	SDQJYYGODYRPBR-UHFFFAOYSA-N

References

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

Sunahara RK *et al* (1991) Nature 350(6319)

PubMedID [1826762](#)

Locomotor stereotypy produced by dexbenzetimide and scopolamine is reduced by SKF 83566, not sulpiride.

Fritts ME *et al* (1998) Pharmacol Biochem Behav 60(3)

PubMedID [9678647](#)

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

Stouffer MA *et al* (2011) J Neurochem 118(5)

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.

Conley JM *et al* (2013) J Pharmacol Exp Ther 347(2)

PubMedID [24008337](#)
