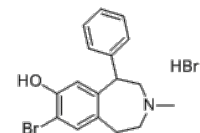


**Product Name** : SKF 83566 hydrobromide  
**Cat. No.** : PC-60665  
**CAS No.** : 108179-91-5  
**Molecular Formula** : C<sub>17</sub>H<sub>18</sub>BrNO.HBr  
**Molecular Weight** : 413.15  
**Target** : Dopamine Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

SKF 83566 hydrobromide is a potent, selective **dopamine D1** receptor antagonist with K<sub>i</sub> of 0.56 nM. SKF 83566 shows no significant activity for D2 receptors (K<sub>B</sub>=2 μM), also is a potent antagonist of the vascular 5-HT<sub>2</sub> receptor with K<sub>i</sub> of 11 nM. SKF 83566 also inhibits the dopamine transporter with IC<sub>50</sub> of 0.51 μM, attenuate cocaine effects in vivo.

## References

- O'Boyle KM, et al. *Eur J Pharmacol.* 1984 Oct 30;106(1):219-20.  
Ohlstein EH, et al. *Eur J Pharmacol.* 1985 Jan 22;108(2):205-8.  
Molloy AG, et al. *Eur J Pharmacol.* 1985 Oct 8;116(1-2):183-6.  
Stouffer MA, et al. *J Neurochem.* 2011 Sep;118(5):714-20.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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