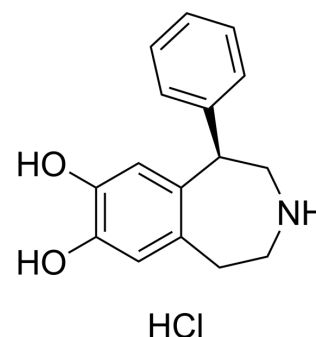


(R)-SKF 38393 hydrochloride

Cat. No.:	HY-12520B
CAS No.:	81702-42-3
Molecular Formula:	C ₁₆ H ₁₈ ClNO ₂
Molecular Weight:	291.77
Target:	Dopamine Receptor; Potassium Channel
Pathway:	GPCR/G Protein; Neuronal Signaling; Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(R)-SKF 38393 ((±)-SKF-38393) hydrochloride is a potent and selective D1 dopamine receptor antagonist. (R)-SKF 38393 hydrochloride inhibits G protein-coupled inwardly rectifying potassium (GIRK) channel ^[1] .
In Vitro	(R)-SKF 38393 hydrochloride ((±)-SKF-38393; 0-100 μM) blocks endogenous GIRK currents induced by either somatostatin or D3 dopamine receptors in AtT-20 cells with IC ₅₀ value of 268 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kuzhikandathil EV, et, al. Classic D1 dopamine receptor antagonist R-(+)-7-chloro-8-hydroxy-3-methyl-1-phenyl-2,3,4,5-tetrahydro-1H-3-benzazepine hydrochloride (SCH23390) directly inhibits G protein-coupled inwardly rectifying potassium channels. *Mol Pharmacol.* 2002 Jul;62(1):119-26.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA