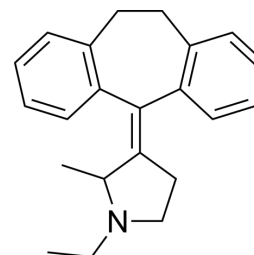


Piroheptine hydrochloride

Cat. No.:	HY-116550
CAS No.:	16378-22-6
Molecular Formula:	C ₂₂ H ₂₆ ClN
Molecular Weight:	339.9
Target:	Dopamine Transporter
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



HCl

BIOLOGICAL ACTIVITY

Description	Piroheptine hydrochloride is an anticholinergic agent to inhibit dopamine uptake. Piroheptine hydrochloride prevents loss of striatal dopamine induced by MPTP (HY-15608). Piroheptine hydrochloride can be used for research in Parkinson ^[1] .	
In Vivo	Piroheptine hydrochloride (20 mg/kg; ip; singel dose, 30 min before MPTP injection) suppresses neurotoxicity of MPTP in mice model ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	Male 8-week-old C57BL/6J mice (20-30 g) ^[1]
	Dosage:	20 mg/kg
	Administration:	IP; 30 min before MPTP injection (10 mg/kg; 4 times with 1 h interval)
	Result:	Prevented loss of striatal dopamine.

REFERENCES

[1]. Saitoh T. Suppression of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP)-induced dopaminergic neurotoxicity in mouse brain by piroheptine and trihexyphenidyl. J Neurol Sci. 1988 Feb;83(2-3):161-6.

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

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