

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Male C57/BL mice (20-22 g; MPTP-induced neurotoxicity in mice) ^[6]
Dosage:	0.5, 2.5 mg/kg
Administration:	P.o.; once daily for 14 consecutive days
Result:	Significantly elevate striatal dopamine levels, reduce its metabolism, and elevate tyrosine-hydroxylase protein levels and activity. Elevated MPTP-reduced dopaminergic and transferrin receptor cell count in the SNpc.

REFERENCES

- [1]. Gal S, et al. M30, a novel multifunctional neuroprotective drug with potent iron chelating and brain selective monoamine oxidase-ab inhibitory activity for Parkinson's disease. *J Neural Transm Suppl.* 2006;(70):447-456.
- [2]. Zheng H, et al. Novel multifunctional neuroprotective iron chelator-monoamine oxidase inhibitor drugs for neurodegenerative diseases: in vitro studies on antioxidant activity, prevention of lipid peroxide formation and monoamine oxidase inhibition. *J Neurochem.* 2005;95(1):68-78.
- [3]. Gal S, et al. Novel multifunctional neuroprotective iron chelator-monoamine oxidase inhibitor drugs for neurodegenerative diseases. In vivo selective brain monoamine oxidase inhibition and prevention of MPTP-induced striatal dopamine depletion. *J Neurochem.* 2005;95(1):79-88.
- [4]. Gal S, et al. Restoration of nigrostriatal dopamine neurons in post-MPTP treatment by the novel multifunctional brain-permeable iron chelator-monoamine oxidase inhibitor drug, M30. *Neurotox Res.* 2010;17(1):15-27.

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