
Product Name	: MAO-IN-M30 dihydrochloride
Synonyms	: M 30 dihydrochloride
Cat No.	: M28155
CAS Number	: 64821-19-8
Molecular Formula	: C ₁₄ H ₁₄ N ₂ O ₂ .2HCl
Formula Weight	: 299.2
Chemical Name	: —
Description	: Potent and brain selective monoamine oxidase (MAO) inhibitor (EC ₅₀ values are 37 and 57 nM for MAO-A and MAO-B, respectively). Also an iron chelator with antioxidant properties. Protects cells against 6-OHDA induced apoptosis. Attenuates MPTP depletion of DA and increases striatal monoamine levels in a mouse Parkinson's disease model. (In Vitro): MAO-IN-M30 (0.25 nM; 72 hours) significantly increased cell viability to ~90% after exposure to Dexamethasone. MAO-IN-M30 treatment significantly decreases the occurrence of fragmented DNA compared to the dexamethasone-treated group in SH-SY5Y cells. MAO-IN-M30 (0-10 μM; 24 hours) enhances PC12 cell survival. (In Vivo): MAO-IN-M30 (0.5-2.5 mg/kg; p.o.; once daily for 14 consecutive days) possesses neuroprotective activities.
Pathway	: Others
Target	: Other Targets
Receptor	: —
Solubility	: —
SMILES	: CN(CC#C)CC1=C2C(N=CC=C2)=C(O)C=C1.Cl.Cl
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1.Schettgen T, Weiss T, Angerer J. Biological monitoring of phenmedipham: determination of m-toluidine in urine. Arch Toxicol. 2001 May;75(3):145-9.