

DATA SHEET

Product Name: TRO 19622

Catalog #: N-3029

Alt: CAS # 22033-87-0; Olesoxime; Cholest-4-en-3-one oxime

Molecular Mass: 399.7 C₂₇H₄₅NO

Analysis: >98% (TLC); NMR (conforms)

Supplied As: White crystalline powder

Resuspension: May be dissolved in DMSO (20 mg/ml); or ethanol (25 mg/ml)

Storage: Store desiccated as supplied at -20°C for up to 2 years. Store solutions at -20°C for up to 3 months.

Description: Neuroregenerative and neuroprotective agent acting at components of the mitochondrial permeability transition pore (MPTP)¹. Rescues motor neurons from axotomy-induced cell death and promotes nerve regeneration following sciatic nerve crush in mice. Reduces ROS and NLRP3 inflammasome activation in a mouse model of intracerebral hemorrhage². Inhibits MPTP opening and protects neurons from apoptosis³. Induces oligodendrocyte maturation in culture and promotes myelin regeneration in vivo in a rodent model⁴.

References:

1. Bordet, T., et al., (2007) J. Pharmacol. Exp. Ther., *322*: 709
2. Ma, Q., et al., (2014) Ann. Neurol., *75*: 209
3. Martin, L.J., et al., (2011) J. Neurosci., *31*: 359
4. Magalon, K., et al., (2016) Neuropharmacology, *111*: 293

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