CATALOG # 10-3230
TRO19622
CAS# 22033-87-0
Cholest-4-en-3-one oxime
Olesoxime
Lot # S104011

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 hemorrhage.\(^2\) Inhibits MPTP opening and protects neurons from apoptosis.\(^3\) Induces oligodendrocyte maturation in culture and promotes myelin regeneration in vivo in a rodent model.\(^4\)

2) Ma et al. (2014), *NLRP3 inflammasome contributes to inflammation after intracerebral hemorrhage;* Ann. Neurol., 75 209
4) Magalon et al. (2016), *Olesoxime favors oligodendrocyte differentiation through a functional interplay between mitochondria and microtubules;* Neuropharmacology, 111 293

**PHYSICAL DATA**

Molecular Weight: 399.65
Molecular Formula: \(\text{C}_{27}\text{H}_{45}\text{NO}\)
Purity: 98% by TLC
NMR: (Conforms)
Solubility: DMSO (up to 20 mg/ml) or Ethanol (up to 25 mg/ml)
Physical Description: White solid
Storage and Stability: Store as supplied at -20°C for up to 1 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462
www.focusbiomolecules.com