

## Olesoxime

## Chemical Properties

CAS No. : 22033-87-0

Formula: C<sub>27</sub>H<sub>45</sub>NO

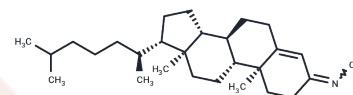
Molecular Weight: 399.65

Storage:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Olesoxime (TRO 19622) (TRO19622), A Mitochondrial-Targeted Neuroprotective Compound, is an experimental neuroprotective drug.
Targets(IC50)	Mitochondrial Metabolism
In vivo	Olesoxime, a molecule from a novel "cholesterol-oxime" family of cytoprotective compounds identified based on survival promoting activities on trophic factor deprived motor neurons shows neuroprotective and neuroregenerative effects in five animal models of motor nerve degeneration[1].

## Solubility Information

Solubility	DMSO: 51 mg/mL (127.61 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	2.5022 mL	12.5109 mL	25.0219 mL
5 mM	0.5004 mL	2.5022 mL	5.0044 mL
10 mM	0.2502 mL	1.2511 mL	2.5022 mL
50 mM	0.050 mL	0.2502 mL	0.5004 mL

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Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Thierry B , Patrick B , Jean-Louis A , et al. Olesoxime (TRO19622): A Novel Mitochondrial-Targeted Neuroprotective Compound[J]. *Pharmaceuticals*, 2010, 3(2):345-368.

Magalon K , Le Grand M , El Waly B , et al. Olesoxime favors oligodendrocyte differentiation through a functional interplay between mitochondria and microtubules[J]. *Neuropharmacology*, 2016:S0028390816303847.

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