Product Name: TRO 19622
CAS Number: 22033-87-0
IUPAC Name: Cholest-4-en-3-one oxime

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{27}H_{45}NO.1/4H_2O \)
Batch Molecular Weight: 404.15
Physical Appearance: White solid
Solubility: DMSO to 50 mM ethanol to 20 mM
Storage: Desiccate at +4°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.65 \) (Ethyl acetate:Petroleum ether [4:1])
HPLC: Shows 98% purity
\(^1\)H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>80.24</td>
<td>80.58</td>
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<tr>
<td>Hydrogen</td>
<td>11.35</td>
<td>11.31</td>
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<tr>
<td>Nitrogen</td>
<td>3.47</td>
<td>3.51</td>
</tr>
</tbody>
</table>

Certificate of Analysis
www.tocris.com

Print Date: Jan 14th 2016

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:
Neuroprotective and neuroregenerative compound. Rescues motor neurons from axotomy-induced cell death and promotes nerve regeneration following sciatic nerve crush in vivo. Binds directly to two components of the mitochondrial permeability pore, the voltage-dependent anion channel (VDAC) and translocator protein; thought to inhibit MPTP opening.

Physical and Chemical Properties:
Batch Molecular Formula: C_{27}H_{48}NO.1\%H_2O
Batch Molecular Weight: 404.15
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Desiccate at +4°C
CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:
DMSO to 50 mM
ethanol to 20 mM

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: