

**Product Name:** Triacsin C

**Catalog No.:** 2472

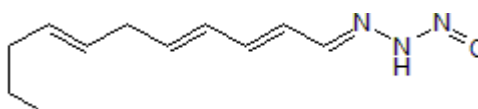
**Batch No.:** 1

**CAS Number:** 76896-80-5

**IUPAC Name:** (2E,4E,7E)-2,4,7-Undecatrienal nitrosohydrazone

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>11</sub>H<sub>17</sub>N<sub>3</sub>O  
**Batch Molecular Weight:** 207.27  
**Physical Appearance:** Off White lyophilised solid  
**Solubility:** DMSO to 25 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows >95% purity

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

Tocris Bioscience is an R&D Systems company  
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**IUPAC Name:** (2E,4E,7E)-2,4,7-Undecatrienal nitrosohydrazone

**Description:**

Inhibitor of acyl-CoA synthetase. Inhibits lipid synthesis and cell proliferation in Raji lymphoma cells. Induces apoptosis in cancer cell lines and inhibits human lung cancer cell xenograft tumor growth in mice.

**Physical and Chemical Properties:**

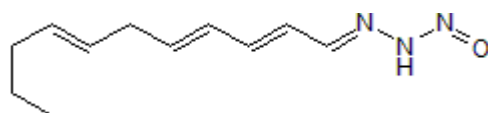
Batch Molecular Formula: C<sub>11</sub>H<sub>17</sub>N<sub>3</sub>O

Batch Molecular Weight: 207.27

Physical Appearance: Off White lyophilised solid

**Minimum Purity:** >94%

**Batch Molecular Structure:**



**Storage:** Store at -20°C. This product is packaged under an inert atmosphere.

**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 25 mM

This product is supplied as a lyophilised solid and may be very hard to visualise. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

**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:**

**Tomoda et al** (1991) Evidence for an essential role of long chain acyl-CoA synthetase in animal cell proliferation. Inhibition of long chain acyl-CoA synthetase by triacsins caused inhibition of Raji cell proliferation. *J.Biol.Chem.* **266** 4214. PMID: 1999415.

**Mashima et al** (2005) p53-defective tumors with a functional apoptosome-mediated pathway: a new therapeutic target. *J.Natl.Cancer.Inst.* **97** 765. PMID: 15900046.

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