

**PRODUCT: EZSolution™ Triacsin C****ALTERNATE NAME:** (2E,4E,7E)-2,4,7-Undecatrienal nitrosohydrazone**CATALOG #:** 9683-100, 500**AMOUNT:** 100 µg, 500 µg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>11</sub>H<sub>17</sub>N<sub>3</sub>O**MOLECULAR WEIGHT:** 207.27**CAS NUMBER:** 76896-80-5**APPEARANCE:** Liquid**FORMULATION:** In DMSO (1 mg/ml)**PURITY:** ≥90% by TLC**STORAGE:** Store at -20°C. Protect from air and moisture

**DESCRIPTION:** Triacsin C, originally isolated from *Streptomyces* sp. is an inhibitor of acyl-CoA synthetase (IC<sub>50</sub> = 6.3 µM in Raji cells). 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. It has been shown to interfere with lipid metabolism by inhibiting the *de novo* synthesis of triglycerides, diglycerides, and cholesterol esters.

**REFERENCES:** Tomoda H., *et al.* (1991). *J. Biol.Chem.* **266**, 4214-4219

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**Cholesterol Detection Kit (**K587**)Triglyceride Quantification Colorimetric/Fluorometric Kit (**K622**)EZScreen™ Triglyceride Quantification Colorimetric Assay Kit (384-well) (**K952**)PicoProbe™ Triglyceride Fluorometric Assay Kit (**K614**)

**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**