



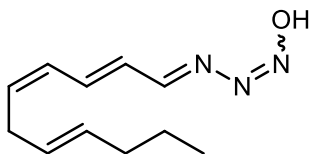
Catalog # 10-2109

Triacsin C

CAS# 76896-80-5

(3E)-1-Hydroxy-3-((2E,4Z,7E)-undeca-2,4,7-triene-1-ylidene)triaz-1-ene

Lot # X101512



Long-chain fatty acyl CoA synthetase inhibitor (IC_{50} =3.6-8.7 μ M)¹. Inhibits mouse macrophage-derived foam cell formation² and displays anti-atherosclerotic activity³. Cell permeable.

- 1) Hartman *et al.* (1989), *Triacsin C: a differential inhibitor of arachidonoyl-CoA synthetase and nonspecific long chain acyl-CoA synthetase*; Prostaglandins, **37** 655
- 2) Namatame *et al.* (1999), *Complete inhibition of mouse macrophage-derived foam cell formation by triacsin C*; J. Biochem, **125** 319
- 3) Matsuda *et al.* (2008), *Anti-atherosclerotic activity of triacsin C, an acyl-CoA synthetase inhibitor*; J. Antibiot. (Tokyo), **61** 318

PHYSICAL DATA

Molecular Weight:	207.28
Molecular Formula:	C ₁₁ H ₁₇ N ₃ O
Purity:	>95% by TLC
	NMR: (Conforms)
Solubility:	Supplied in solution in DMSO at a concentration of 1 mg/ml.
Physical Description:	Solution in DMSO
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Further diluted solutions in DMSO may be stored at -20°C for up to 2 months.

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