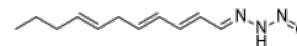


Product Name : Triacsin C
Cat. No. : PC-22161
CAS No. : 76896-80-5
Molecular Formula : C₁₁H₁₇N₃O
Molecular Weight : 207.28
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 76896-80-5

Biological Activity

Triacsin C (WS 1228A) is an inhibitor of long fatty acid acyl-CoA synthetase (**ACSL**) with IC₅₀ of 6.3 μM in Raji cells, inhibits TAG accumulation into lipid droplets (LD).

Triacsin C has been shown to interfere with lipid metabolism by inhibiting the de novo synthesis of triglycerides, diglycerides, and cholesterol esters.

Triacsin C also act as a hypotensive vasodilator, modulating endothelial nitric oxide synthase repalmitoylation by limiting palmitoyl CoA availability.

Triacsin C inhibits pancreatic β-cell function by suppressing the mobilization of intracellular calcium.

References

Kim Y, et al. *Eur J Med Chem*. 2012 Apr;50:311-8.

Dechandt CRP, et al. *J Bioenerg Biomembr*. 2017 Oct;49(5):399-411.

Matsuda D, et al. *J Antibiot (Tokyo)*. 2008 May;61(5):318-21.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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