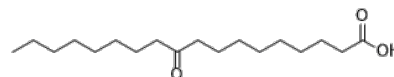


Product Name : 10-oxostearic acid
Cat. No. : PC-26571
CAS No. : 4158-12-7
Molecular Formula : C₁₈H₃₄O₃
Molecular Weight : 298.47
Target : PPAR
Solubility : 10 mM in DMSO



Biological Activity

10-oxostearic acid (10-oxoSA) is a microbial metabolite derived from oleic acid as a potent and selective agonist of the lipid-sensing nuclear receptor peroxisome proliferator-activated receptor alpha (PPAR α), binds to hPPAR α -LBD with EC₅₀ of 78.2 nM.

References

Liu J, et al. Nat Microbiol. 2026 Apr 8. doi: 10.1038/s41564-026-02321-7.

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

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