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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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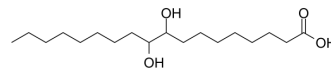
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9,10-Dihydroxystearic acid

Cat. No.:	HY-N8522
CAS No.:	120-87-6
Molecular Formula:	C ₁₈ H ₃₆ O ₄
Molecular Weight:	316.48
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	9,10-Dihydroxystearic acid is an oxidation product of oleic acid. 9,10-Dihydroxystearic acid can improve glucose tolerance and insulin sensitivity in KKAY mice ^[1] .
In Vitro	5-20 μmol/L 9,10-Dihydroxystearic acid (DHSA) does not activate PPAR-γ in CV-1 cells but 50-100 μmol/L DHSA activates PPAR-γ in a dose-dependent way. 9,10-Dihydroxystearic acid does not activate PPAR-α in CV-1 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	9,10-Dihydroxystearic acid (DHSA; fed with high fat diet containing 4% DHSA; for 5-6 weeks) treatment improves glucose tolerance and insulin sensitivity in KKAY mice ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Xiaoming Yu, et al. Effects of 9,10-dihydroxystearic acid on glucose metabolism in KKAY mice. Wei Sheng Yan Jiu. 2010 Jul;39(4):423-5.

Caution: Product has not been fully validated for medical applications. For research use only.

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