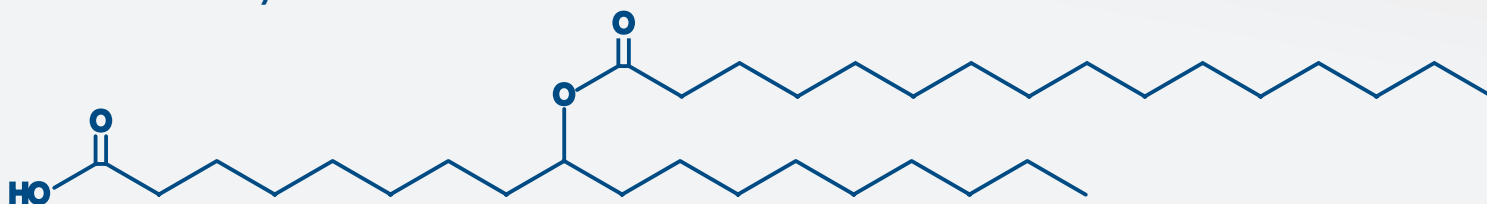


FAHFAs

A novel family of branched *Fatty Acid Hydroxy Fatty Acids* produced naturally in adipose tissue and associated with insulin sensitivity

- Novel bioactive lipids for diabetes and inflammation research
- 5-, 9-, 12-, and 13-series FAHFAs now available
- High quality lipids with purity of $\geq 95\%$
- Deuterated standards available
- Custom synthesis available



These esters contain a C-16 or C-18 fatty acid (e.g., palmitoleic, palmitic, oleic, or stearic acid) linked to either a C-16 or C-18 hydroxy substituent. The combination of palmitic acid and hydroxy stearic acid yields palmitic acid-hydroxy stearic acid (PAHSA), a FAHFA abundantly produced in the fat of diabetes-resistant mice and significantly reduced in humans with early stages of diabetes.¹ When fed to obese, diabetic mice, FAHFAs are reported to contribute to glucose-insulin homeostasis and to elicit anti-inflammatory effects.¹

¹Yore, M.M., Syed, I., Moraes-Vieira, P.M., et al. Discovery of a class of endogenous mammalian lipids with anti-diabetic and anti-inflammatory effects. *Cell* 159(2), 318-332 (2014).

FAHFAs Available from Cayman

★ **PAHSAs** (Palmitic Acid-Hydroxy Stearic Acid)

★ **OAHSAs** (Oleic Acid-Hydroxy Stearic Acid)

★ **SAHSAs** (Stearic Acid-Hydroxy Stearic Acid)

★ **POHSAs** (Palmitoleic Acid-Hydroxy Stearic Acid)

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