

Sex differences in response to lipolysis inhibition in mice

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ABSTRACT

Lipolysis is the metabolic process through which triacylglycerols break down via hydrolysis into glycerol and free fatty acids (FFA). Even though, alterations in lipolysis are frequently associated with obesity and other metabolic disorders. Also, gender differences in metabolism exist, and specifically, in lipolysis in which women have higher basal lipolysis and circulating FFA compared to men. However, previous research studying anti-lipolytic treatments was generally performed using only male mice. In this context, studying the effect of an anti-lipolytic treatment on both sexes could help us understand more about sex differences in metabolism.

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