

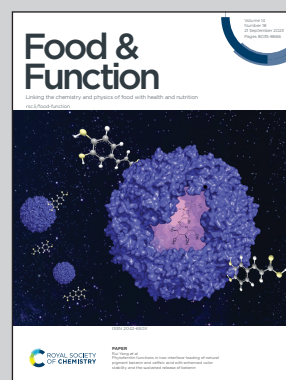


Showcasing research from Dr. Daozong Xia's laboratory,
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Kaempferol regulates the thermogenic function of
adipocytes in high-fat-diet-induced obesity via the
CDK6/RUNX1/UCP1 signaling pathway

In this study, we demonstrated that kaempferol-treated mice
were protected from diet-induced obesity, glucose tolerance,
and insulin resistance, accompanied with markedly increased
energy expenditure and *ex vivo* oxygen consumption of
white fat, and increased expression of proteins related to
adaptive thermogenesis. Further studies revealed that
kaempferol was involved in promoting beige cell formation
by suppressing CDK6 protein expression. This study provides
evidence that KPF is a promising natural product for obesity
treatment by boosting energy expenditure.

As featured in:



See Miaofen G. Hu, Daozong Xia
et al., *Food Funct.*, 2023, **14**, 8201.