

Technology: [Compositions and methods for adipocyte modulation](#)

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Topic: Therapeutic

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The VA has a joint ownership interest with Loma Linda University of South Florida

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Abstract: Modified stilbenoids and formulations thereof are provided. The modified stilbenoids can include one or more amino or amino-alkyl substituents. The formulation can be for the treatment or prevention of obesity and the modified stilbenoid present in an effective amount to alleviate or prevent the onset of one or more symptoms of obesity. Methods of making the modified stilbenoids and formulations thereof are provided. Methods are provided for treating a subject with a modified stilbenoid in an effective amount to alleviate or prevent one or more symptoms associated with diabetes, cardiovascular disease, high blood pressure, deep vein thrombosis, osteoarthritis, obstructive sleep apnea, cancer, and non-alcoholic fatty liver disease. The administration of the modified stilbenoids can result in decreased levels of PKC. δ .II, PKC. δ .VIII, substantially unaltered expression of PKC. δ .I; a decreased number of adipocytes; increased weight and/or fat loss; or a combination thereof.