

Title (en)

COMPOSITION AND METHOD FOR REGULATION OF BODY WEIGHT AND ASSOCIATED CONDITIONS

Title (de)

ZUSAMMENSETZUNG UND VERFAHREN ZUR REGULATION DES KÖRPERGEWICHTES UND DAMIT ZUSAMMENHÄNGENDER ZUSTÄNDE

Title (fr)

COMPOSITION ET PROCEDES DE REGULATION DU POIDS CORPOREL ET DES PATHOLOGIES ASSOCIEES

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Application

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Abstract (en)

[origin: WO0033658A1] Described are methods and compositions for regulating body weight and/or regulating the rate of weight gain or loss, and particularly, for treating or preventing obesity. Specifically, methods of administering varying levels of circulating proopiomelanocortin peptides or analogs thereof to an animal, alone or in combination with leptin or other body weight regulating agents are disclosed. Methods and compositions for treating a variety of disorders associated with or caused by undesirable body weight are also described. Also described are methods for identifying compounds useful for regulation of body weight and associated conditions. In particular, methods are disclosed for identification of compounds that preferentially bind to and/or activate peripheral melanocortin receptors and which minimize binding and/or activation of central melanocortin receptors. Also described is a genetically modified non-human animal model for studying the peripheral and central pathways of energy homeostasis. Also disclosed are methods of identifying compounds for regulating such pathways and a POMC mutant mouse.

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