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(54) Title: METHODS AND AGENTS THAT STIMULATE MITOCHONDRIAL TURNOVER FOR TREATING DISEASE

(57) Abstract: Provided herein are methods of stimulating mitophagy in a subject in need thereof administering to the subject a mi-
tophagy-stimulating amount of a MAS receptoragonist or substance that triggers endogenous production of a MAS receptor agonist.
The present disclosure also relates to medical intervention methods and agents, namely methods and agents for stimulation of mito-
chondrial turnover for treatment of disease in a mammal. The disclosure comprises a method of stimulating increased mitochondrial
turnover in a mammal comprising administering to the mammal a pharmacologically suitable dose of a MAS receptoragonist; MAS
receptor modulator; a substance that triggers endogenous production of a MAS receptor agonist; a substance that triggers endogenous
production of a MAS receptor modulator; or any combination thereof. The pharmacological activity acting on MAS receptor in turn
stimulates an increase in mitochondrial turnover in host cells, alleviating a disease state in the host mammalian organism.



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