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(54) **Title**: METHODS OF MODULATING MICRORNAS IN THE TREATMENT OF PULMONARY ARTERIAL HYPERTENSION

(57) **Abstract**: The present invention provides a method of treating or preventing pulmonary arterial hypertension in a subject in need thereof by administering to the subject an inhibitor of miR-145 expression or activity. Pharmaceutical compositions and kits comprising miR-145 inhibitors for treating pulmonary arterial hypertension are also disclosed.