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(54) Title: METHODS FOR IMPROVING DIAPHRAGM FUNCTION

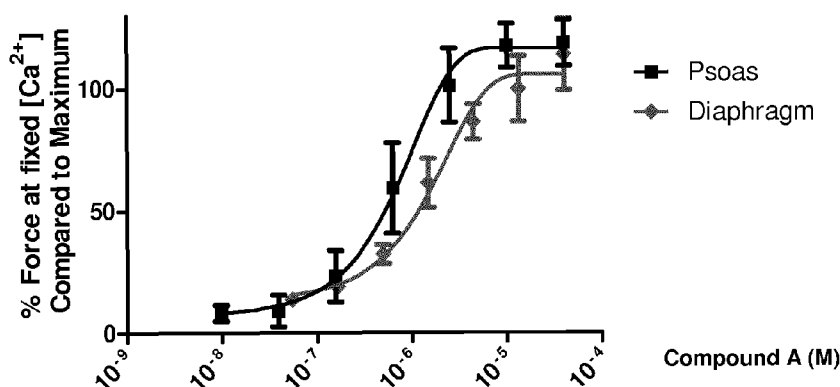


FIG. 1

(57) Abstract: Provided are compositions and methods for improving diaphragm function in a patient. In some embodiments, the methods comprise administering to a patient or contacting a diaphragm skeletal muscle fiber with an effective amount of a skeletal muscle troponin activator or pharmaceutically acceptable salt thereof. Likewise, compositions and methods are also provided for in-creasing the function, activity, efficiency, sensitivity to calcium, or time to fatigue of skeletal muscle in the diaphragm. In some em-bodiments, the patient receiving such administration suffers from diaphragmatic atrophy.