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(54) Title: COMPOSITIONS AND METHODS FOR REDUCING NAV1.7 EXPRESSION TO TREAT NEUROPATHIC PAIN

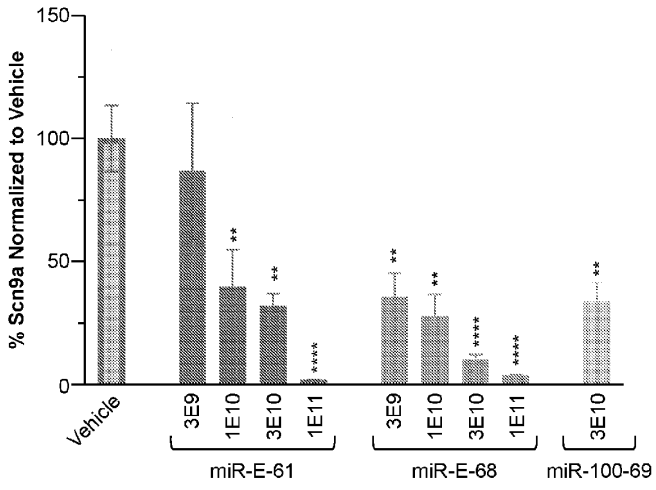

FIG. 9A

(57) Abstract: The present disclosure relates to compositions, methods and processes for the design, preparation, manufacture, use and/or formulation of modulatory polynucleotides, e.g., polynucleotides encoding small interfering RNA (siRNA) molecules which target the transcript encoding the alpha (α) subunit of voltage-gated sodium channel (Na_v) 1.7 to treat chronic neuropathic pain. In some embodiments, nucleic acid sequences encoding the siRNA molecules are inserted into recombinant adeno-associated virus (AAV) vectors. Methods for using the siRNA molecules to inhibit the expression of mutated or wild-type $Na_v1.7$ in a subject with chronic pain (e.g., chronic neuropathic pain) are also disclosed.

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