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(54) Title: METHODS OF ALLEVIATING NEUROPATHIC PAIN USING PROSAPOSIN-DERIVED PEPTIDES

(57) Abstract

The invention provides a method of alleviating or preventing neuropathic pain in a subject by administering an effective amount of an active fragment of prosaposin to the subject. The invention also provides prosaposin-derived fragments and the use of these fragments for stimulating neurite outgrowth, inhibiting neural cell death, promoting myelination and inhibiting demyelination. In addition, there is provided a method of inhibiting sensory or motor neuropathy by contacting neuronal cells with a composition comprising an effective amount of an active fragment of prosaposin.