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(54) Title: ROLE OF N-2 HYDROXY-ETHYL-PIPERAZINE-N'-2-ETHANE SULFONIC ACID (HEPES) IN PAIN CONTROL AND REVERSAL OF DEMYELINIZATION INJURY

(57) Abstract: Compositions and therapeutic uses of HEPES and derivatives in the treatment of pain associated with cancers and side-effects including post-chemotherapy cognitive impairment are disclosed herein. HEPES is also used to treat neurodegenerative and neurological diseases, demyelinization injuries, and side-effects and withdrawal symptoms associated with benzodiazepines, anti-depressants, and other neurological agents.