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(54) Title: METHODS AND COMPOSITIONS OF POLYCYCLIC AND A DUAL ACTING NITROXIDE COMPOUNDS FOR
TREATMENT OF FAT CELL ASSOCIATED DISEASES

(57) Abstract: Described are compounds, compositions of polycyclic, water soluble and a dual acting nitroxide substituted compounds
and methods useful as mitogen-activated protein (MAP) kinase-interacting kinases1 and 2 (MNK1 and MNK2) inhibitors, for the
treatment of cancer, Alzheimer's disease, autism, fragile X syndrome, obesity and fat cell associated diseases such as liposarcoma,
MASH, MAFLD, sarcopenic obesity and polycystic ovary syndrome, and a method for treating, preventing, or mitigating the effects
of a migraine or symptoms related to a migraine and a nerve pain.



WO 2025/137653 A1