

Open Peer Review on Qeios

Monosialotetrahexosylganglioside

National Cancer Institute

Source

National Cancer Institute. <u>Monosialotetrahexosylganglioside</u>. NCI Thesaurus. Code C107389.

A glycosphingolipid containing a sialic acid residue found in neuronal cell membranes, with potential neuroprotective and neuroregenerative activities. Upon administration, monosialotetrahexosylganglioside, also called GM-1, is able to both prevent neurologic damage and induce regeneration of damaged neurons through neurotrophic repair mechanisms, enhancement of the production of neutrophins, and augmenting neurite outgrowth. In addition, GM-1 exerts anti-excitotoxic activity, prevents necrosis, and improves neuronal recovery and function.

Qeios ID: P0CKBK · https://doi.org/10.32388/P0CKBK