

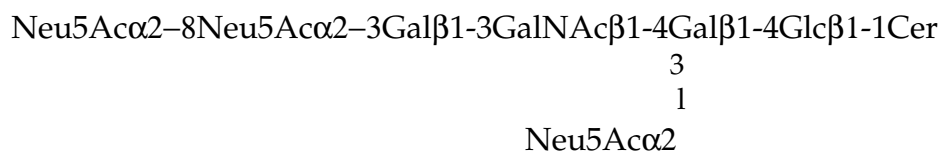
IsoSep

product number

65/58

G_{T1a}-ganglioside

IV³(NeuAc)₂,II³NeuAc-GgOse₄Cer



[64522-98-1]

Source: Calf brain

Purity: >90% (by NMR and TLC)

Storage: 0-5°C

Reference: Ando S, Yu RK (1977) J Biol Chem 252:6247

The ganglioside has been isolated and purified from calf brain by extraction, ion-exchange chromatography and repeated silica gel chromatography.

The carbohydrate part of the ganglioside consists of three sialic acids glycosidically linked to a gangliotetraose core (see structure above). The carbohydrate moiety is glycosidically linked to the sphingosine moiety of the ceramide. The ceramide moiety consists of a sphingosine with a long chain fatty acid amide linked to the sphingosine (the chain length of the fatty acid varies from C-14 to C-24 and the chains can be saturated as well as unsaturated)