

Ganglioside GM2 (sodium salt)

Cat. No. GM2-9001 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Ganglioside GM2 (sodium salt) is isolated from bovine brain.
Species	Bovine
Source	Bovine brain
Description	Gangliosides are acidic glycosphingolipids that form lipid rafts in the outer leaflet of the cell plasma membrane, especially in neuronal cells in the central nervous system. They participate in cellular proliferation, differentiation, adhesion, signal transduction, cell-to-cell interactions, tumorigenesis and metastasis. The accumulation of gangliosides has been linked to several diseases. Ganglioside GM2 is a very minor component of the nervous system, but it is accumulated in brains from Tay-Sachs and Sandhoff disease patients, due to genetic defect of lysosomal β -hexosaminidase.
Form	Lyophilized
Molecular Mass	1406.7
Endotoxin	Not detectable.
Purity	>98% (TLC)
Stability	Stable for at least 2 years after receipt when stored at -20°C.
Storage	Short Term Storage +4°C

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	Long Term Storage -20°C
Dilutions	Soluble in water (liposomal aggregates) or chloroform:methanol (2:1).
Shipping	AMBIENT

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