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Product Information

Asialoganglioside G_{M1} from bovine brain

Product Number **G 3018**
Storage Temperature -0 °C

Product Description

CAS Number: 71012-19-6
Molecular weight: 1,544 Da

This product is prepared from bovine brain gangliosides, which have been treated by acid hydrolysis to remove sialic acid residues. The product is salt-free. The molecular weight of this product based on stearic acid is 1544, consisting of the ganglioside portion (1252 - 17 [for removed OH]) and 309 for the NANA. The removal of the sialic acid prevents this product from binding to cholera toxin. An extensive article concerning ganglioside structures and analysis is available.¹ A method of preparation is given.²

Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions

This product is soluble in chloroform:methanol (1:1 v/v)(20 mg/ml).

References

1. Ledeen, R.W., and Yu, R.K., Gangliosides: structure, isolation, and analysis. *Methods Enzymol.*, **83**, 139-191 (1982).
2. *Z. Pflanzephysiol. Bd.*, **89**, 69-75 (1978).

CMH/NSB 10/02

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