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## Product Data Sheet

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Product Name: Fucosylated Ganglioside GM1 (ammonium salt)

Cat. No.: GC43707

### Chemical Properties

Cas. No.

Formula  $C_{79}H_{140}N_3O_{35} \cdot NH_4$  (for stearoyl) M.Wt 1710

Solubility Chloroform:Methanol:Water (2:1:0.1): Soluble Storage Store at  $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at  $37^{\circ}C$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}C$  for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

### Background

Fucosylated ganglioside GM1 is a fucose-containing glycosphingolipid that was originally found in bovine thyroid tissue. It has been found in isolated human small cell lung cancer (SCLC) tumors but is rarely found in other types of lung cancer tumors or normal tissue. Fucosylated ganglioside GM1 is shed from SCLC cells in vitro and in vivo in SCLC nude mouse xenograft models and can be detected in human plasma. It binds to cholera toxin when expressed in rat C6 glioma cultured cells, increasing intracellular cAMP to similar levels as cells expressing ganglioside GM1 .

**Caution: Product has not been fully validated for medical applications. For research use only.**

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