

Product Data Sheet

Product Name: C3 BODIPY Ganglioside GM1 (d18:1/3:0) (ammonium salt)

Cat. No.: GC48330

Chemical Properties

Cas. No.

SMILES [H][C@](CO[C@@H]1O[C@@H]([C@H]([C@@H]([C@H]1O)O)O)[C@H]2[C@@H]([C@H]([C@H]([C@H](O2)CO)O)[C@@H]3O[C@@H]([C@@H]([C@@H]([C@H]3NC(C)=O)O)[C@H]4[C@@H]([C@H]([C@H]([C@H](O4)CO)O)O)O)CO)O[C@@]5(C([O-])=O)O[C@]([C@@H]([C@@H](CO)O)O)([H])[C@H](NC(C)=O)[C@@H](O)C5)O)CO)([C@@H](/C=C/CCCCCCCCCCCCC)O)NC(CCC6=CN([B-](F)(F)[N+]7=C(C)C=C(C)C7=C8)C8=C6)=O.[NH4+]

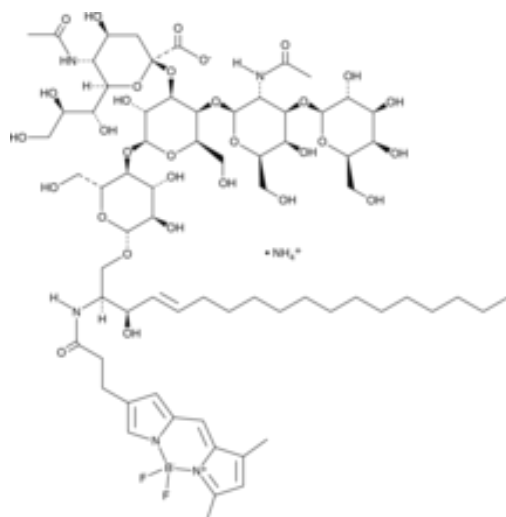
Formula C69H109BF2N5O31•NH4 M.Wt 1571.5

Solubility Chloroform:Methanol:DI water Storage -20°C
(2:1:0.2): soluble

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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

C3 BODIPY Ganglioside G_{M1} (d18:1/3:0) is a fluorescently labeled form of ganglioside G_{M1}. It is

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composed of ganglioside G_{M1} with BODIPY 503/512, which displays excitation/emission maxima of 503/512 nm, respectively, incorporated at the N-acyl chain position.¹ [Matreya, LLC. Catalog No. 2060]

1. Rasmussen, J.-A.M., and Hermetter, A. Chemical synthesis of fluorescent glycerol- and sphingolipids *Prog. Lipid Res.* 47(6)436-460(2008)

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