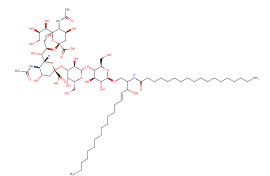


## Ganglioside GD3 disodium salt

## Chemical Properties

CAS No. :	497932-19-1
Formula:	C70H123N3Na2O29
Molecular Weight:	1516.71
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Ganglioside GD3 disodium salt is a melanoma-associated antigen commonly targeted in immune therapy for melanomas.
Targets(IC50)	Apoptosis,Others
In vitro	Ganglioside GD3 exhibits significantly higher expression in melanomas compared to melanocytes, is solely present during the early developmental stages of the fetal brain, and manifests prominently in activated T lymphocytes as well as in malignant T cell tumors. These patterns of expression suggest that GD3 plays a crucial role in tumor characteristics, including increased proliferation and frequent metastasis[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6593 mL	3.2966 mL	6.5932 mL
5 mM	0.1319 mL	0.6593 mL	1.3186 mL
10 mM	0.0659 mL	0.3297 mL	0.6593 mL
50 mM	0.0132 mL	0.0659 mL	0.1319 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Kazunori Hamamura, et al. Ganglioside GD3 promotes cell growth and invasion through p130Cas and paxillin in malignant melanoma cells. Proc Natl Acad Sci U S A. 2005 Aug 2;102(31):11041-6.

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