

Product Information

Monosialoganglioside GM₂ from human

Cat. No.: X23-04-YW034

Size: 500 µg; 1 mg; 2 mg; 5 mg

CAS Number: 19600-01-2

PubChem CID: 163332248

Synonym: GM₂-Ganglioside

This product is for research use only and is not intended for diagnostic use.

Product Information

Molecular Formula	C ₆₇ H ₁₂₁ N ₃ O ₂₆ • NH ₃
InChI	InChI=1S/C67H121N3O26.Na/c1-5-7-9-11-13-15-17-19-20-22-24-26-28-30-32-34-50(80)70-43(44(77)33-31-29-27-25-23-21-18-16-14-12-10-8-6-2)40-89-64-57(85)56(84)59(48(38-73)91-64)93-65-58(86)62(60(49(39-74)92-65)94-63-52(69-42(4)76)55(83)54(82)47(37-72)90-63)96-67(66(87)88)35-45(78)51(68-41(3)75)61(95-67)53(81)46(79)36-71;/h31,33,43-49,51-65,71-74,77-79,81-86H,5-30,32,34-40H2,1-4H3,(H,68,75)(H,69,76)(H,70,80)(H,87,88);/q;+1/p-1/b33-31+;/t43-,44+,45-,46+,47+,48+,49+,51+,52+,53+,54-,55+,56+,57+,58+,59+,60-,61+,62+,63-,64+,65-,67-;/m0./s1
InChI Key	YZCIBJIDUSQSAE-VUDKKWOPSA-M
Canonical SMILES	CCCCCCCCCCCCCCCCC(=O)NC(COC1C(C(C(C(O1)CO)OC2C(C(C(C(O2)CO)OC3C(C(C(C(O3)CO)O)O)NC(=O)C)OC4(CC(C(C(O4)C(C(CO)O)O)NC(=O)C)O)C(=O)[O-])O)O)C(C=CCCCCCCCCCCCC)O.[Na+]
Isomeric SMILES	CCCCCCCCCCCCCCCCC(=O)N[C@@H](CO[C@H]1[C@@H]([C@H]([C@@H]([C@H](O1)CO)O[C@H]2[C@@H]([C@H]([C@H]([C@H](O2)CO)O[C@H]3[C@@H]([C@H]([C@H]([C@H](O3)CO)O)O)NC(=O)C)O[C@@]4[C@H]([C@H]([C@H]([C@@H](O4)[C@@H]([C@@H](CO)O)O)NC(=O)C)O)C(=O)[O-])O)O)[C@@H](/C=C/CCCCCCCCCCCCC)O.[Na+]
Source	Human
Form	Solid
Purity	>98%
Applications	Monosialoganglioside GM ₂ can be used as an oncofetal immunogenic antigen or a marker of cancer patients' lymphocytes.
Storage	Store at -20°C.