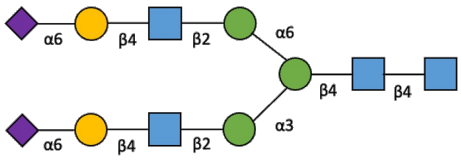
CD BioGlyco

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA

Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

A2G2S2 *N*-Glycan



Cat. No.: X23-03-YW038

Size: 50 mg; 100 mg; 250 mg

MDL: MFCD32062927

CAS Number: 1125602-44-9

PubChem CID: 145710389

Synonym: A2 -*N*-Glycan; Neu5Acα(2-6) -*N*-Glycan; Neu5Ac|A(2-6) -*N*-Glycan; Neu5Acα(2-6)-*N*-Glycan

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

Product Information

Molecular Weight	2224.01
Molecular Formula	$C_{84}H_{138}N_6O_{62}$
InChI	InChI=1S/C84H138N6O62/c1-21(100)85-27(9-91)46(111)64(32(110)12-94)144-73-43(88-24(4)103)54(119)67(37(17-99)138-73)147-78-63(128)70(148-80-72(60(125)50(115)34(14-96)137-80)150-75-45(90-26(6)105)56(121)66(36(16-98)140-75)146-77-62(127)58(123)52(117)40(143-77)20-135-84(82(131)132)8-29(107)42(87-23(3)102)69(152-84)48(113)31(109)11-93)53(118)38(141-78)18-133-79-71(59(124)49(114)33(13-95)136-79)149-74-44(89-25(5)104)55(120)65(35(15-97)139-74)145-76-61(126)57(122)51(116)39(142-76)19-134-83(81(129)130)7-28(106)41(86-22(2)101)68(151-83)47(112)30(108)10-92/h9,27-80,92-99,106-128H,7-8,10-20H2,1-6H3,(H,85,100)(H,86,101)(H,87,102)(H,88,103)(H,89,104)(H,90,105)(H,129,130)(H,131,132)/t27-,28-,29-,30+,31+,32+,33+,34+,35+,36+,37+,38+,39+,40+,41+,42+,43+,44+,45+,46+,47+,48+,49+,50+,51-,52-,53+,54+,55+,56+,57-,58-,59-,60-,61+,62+,63-,64+,65+,66+,67+,68+,69+,70-,71-,72-,73-,74-,75-,76-,77-,78-,79-,80+,83+,84+/m0/s1
InChI Key	OUUDFCLKLQVGTB-YEUWVLACSA-N
Canonical SMILES	CC(=O)NC1C(CC(OC1C(C(CO)O)O)(C(=O)O)OCC2C(C(C(C(O2)OC3C(OC(C(C3O)NC(=O)C)OC4C(C(C(OC4OCC5C(C(C(C(O5)OC6C(OC(C(C6O)NC(=O)C)OC(C(CO)O)C(C(C=O)NC(=O)C)O)CO)O)OC7C(C(C(C(O7)CO)O)O)O)OC8C(C(C(C(O8)CO)OC9C(C(C(C(O9)COC1(CC(C(C(O1)C(C(CO)O)O)NC(=O)C)O)C(=O)O)O)O)O)O)O)NC(=O)C)O)CO)O)O)CO)O)O)O
Isomeric SMILES	CC(=O)N[C@@H]1[C@H](C[C@@](O[C@H]1[C@@H]([C@@H](CO)O)O)(C(=O)O)OC[C@@H]2[C@@H]([C@@H]([C@H]([C@@H](O2)O[C@@H]3[C@H](O[C@H]([C@@H]([C@H]3O)NC(=O)C)O[C@H]4[C@H]([C@@H]([C@H](O[C@@H]4OC[C@@H]5[C@H]([C@@H]([C@@H]([C@@H](O5)O[C@@H]6[C@H](O[C@H]([C@@H]([C@H]6O)NC(=O)C)O[C@H]([C@@H](CO)O)[C@@H]([C@H](C=O)NC(=O)C)O)CO)O)O[C@@H]7[C@H]([C@H]([C@@H]([C@H](O7)CO)O)O)O[C@H]8[C@@H]([C@H]([C@@H]([C@H](O8)CO)O[C@H]9[C@@H]([C@H]([C@H]([C@H](O9)CO[C@@]1(

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	C[C@@H]([C@H]([C@@H](O1)[C@@H]([C@@H](CO)O)O)NC(=O)C)O)C(=O)O)O)O)O)O)NC(=O)C)O)CO)O)O)CO)O)O)O)O
Form	Powder
Purity	>90%
Applications	A2G2 is a glycan that functions as an antigen-binding molecule. It binds to the CD20 receptor on the surface of human B cells, which have a role in cancer and inflammatory disease development. A2G2 is produced by modifying endogenous molecules by adding galactose into the carbohydrate backbone.
Storage	Store at -20°C.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask

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