Chemily Glycoscience

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Glycan Array 100 Structure Chart

Glycan Symbols and Linkers

Glycan Symbol

Gal	GalNAc	L-Rha
Glc	GlcNAc	D-Rha
Man	Xyl	L-Fuc
Neu5Ac	Neu5Gc	KDN
GlcA	D-ManA	L-ManA

Linkers

Sp: $OCH_2CH_2CH_2NH_2$

Sp1: $NH(CH3)OCH_2CH_2NH_2$

Sp2: $OCH_2CH_2NH_2$

Sp3: $O(CH_2)_3NHCOCH_2(OCH_2CH_2)_3CH_2CH_2NH_2$

Sp4: $OCH_2CH(COOH)NH_2$

Sp5: 2-amino-N-(2-amino-ethyl)-benzamide

Monosaccharides (9)

01 02 03 04 05 75 06 07 52

Disaccharides (16)

09 31 30 66 16 27 28 41 45 46 48 51 53 76 87 88

Blood Groups, Lewis Antigens and Fucosylated Oligosaccharides (18)

44 57 58 59 61 62 15 32 33 34 35 63 64 65 25 49 50 60

Gangliosides and Sialylated Oligosaccharides (24)

55 95 72 73 91 92 93 94 21 23 42 43 11 12 13 14 22 24 40 67 68 69 70 71

O-Glycan, N-Glycans and α-Gal (4)

39 17 100 10

Globo series, Milk Oligosaccharides and GAGs (10)

18 26 47 74 19 20 37 36 38 81

Natural Oligosaccharides (13)

77 78 79 80 82 83 84 85 86 89 90 29 54

Aminoglycosides (6)

08 56 96 97 98 99