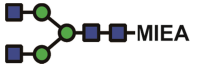
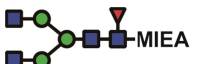
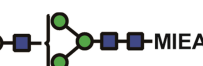
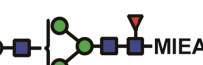
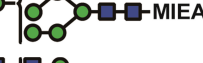
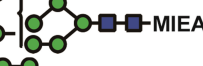
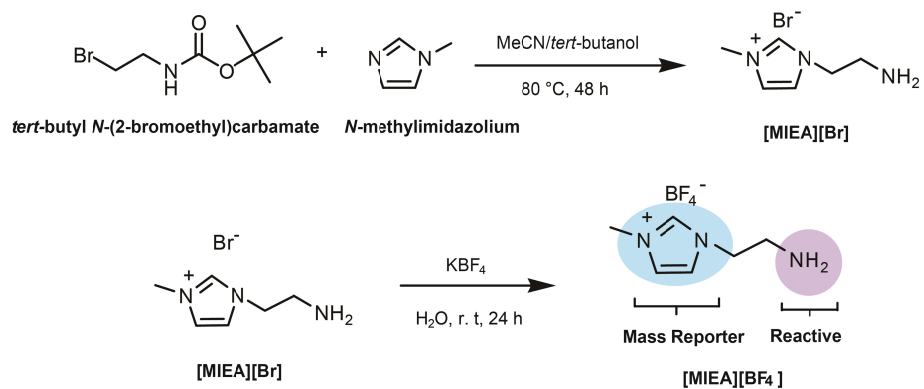
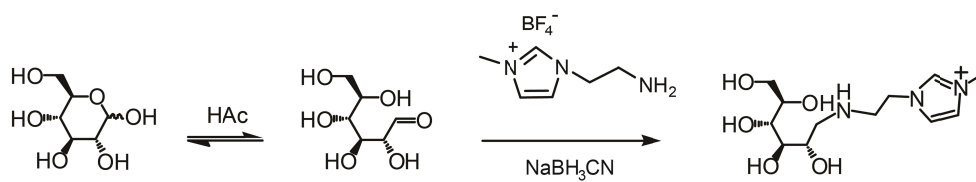
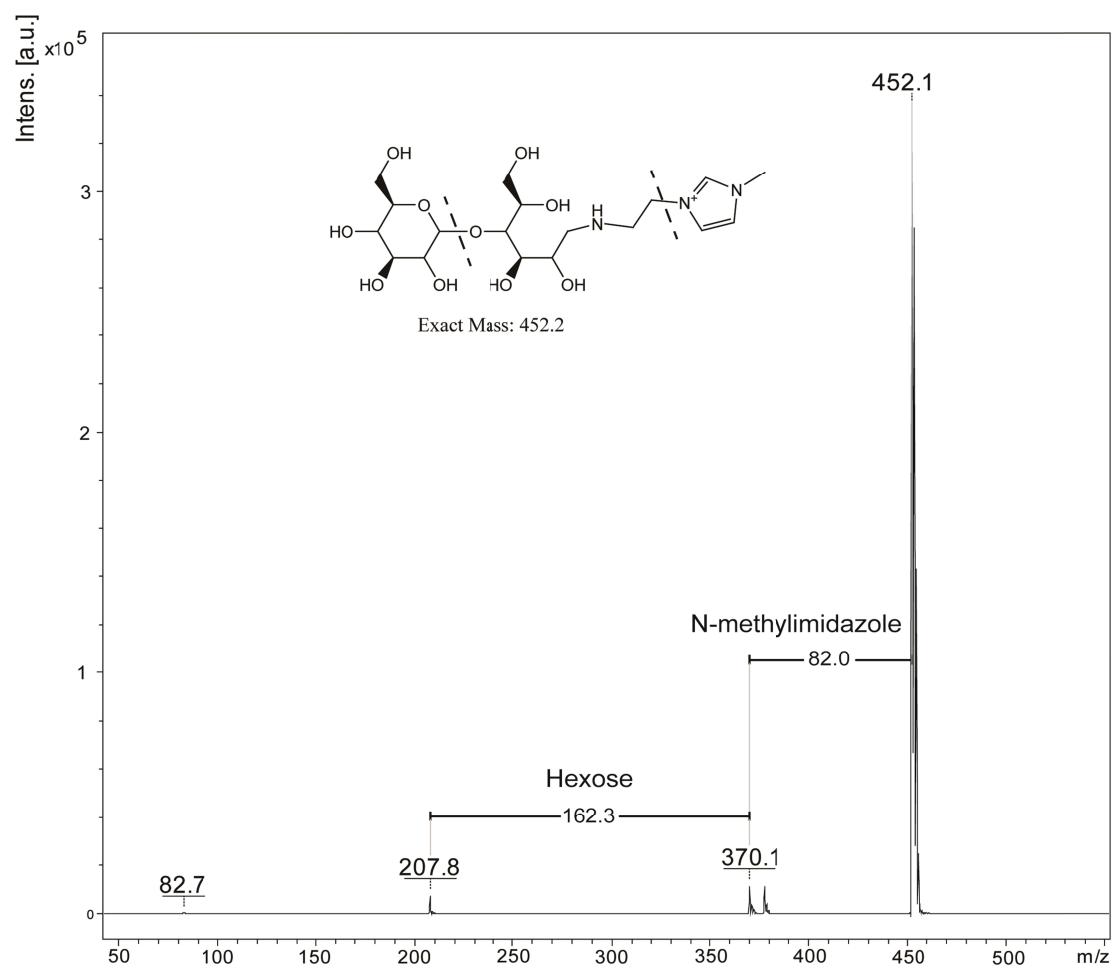


Supplementary Table 1. Summary of MIEA⁺ labeled N-glycan from bovine Lactoferrin

Name	Structure	Theoretical <i>m/z</i> value	Detected <i>m/z</i> value			
			[M] ⁺	[M+H] ²⁺	[M+Na] ²⁺	[M+K] ²⁺
A1		1205.51	1205.3	603.3	614.4	nd
A2		1408.59	1408.3	704.9	715.8	723.7
FA2		1554.64	1554.4	777.9	788.9	nd
A1G1		1367.56	1367.3	684.4	695.1	703.3
FA1G1		1513.62	1513.3	757.4	768.1	nd
A2G1		1570.64	1570.3	785.9	796.8	804.7
FA2G1		1716.70	1716.5	858.9	869.9	nd
M5		1326.53	1326.3	663.7	674.7	682.8
M5A1		1529.61	1529.4	765.4	776.1	784.2
A2G1F		1716.70	1716.5	858.9	869.9	877.9
A2G2		1732.69	1732.4	866.9	877.9	939.9
FA2G2		1878.75	1879.0	939.9	950.9	958.7
M6		1488.59	1488.3	744.8	755.7	763.8
M5A1G1		1691.67	1691.3	846.4	857.2	865.4
M7		1650.64	1650.4	825.8	836.8	844.8
A3G1		1773.72	1772.5	nd	897.9	nd
M8		1812.69	1812.4	906.7	917.9	925.7
M9		1974.74	1975.5	987.8	998.7	1007.0

A**B**

Supplementary Fig. S1. ¹H and ¹³C NMR spectra of [MIEA][BF₄].



Supplementary Fig. S2. MALDI-ToF MS/MS spectra of MIEA⁺-maltose.