Electronic Supplementary Material (ESI) for RSC Advances.

Supporting informations for:

Acidic ionic liquid supported on silica-coated magnetite nanoparticle as green catalyst for one - pot diazotization – halogenation of the aromatic amines

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Summary

Table 5. ^{13}C NMR spectroscopic data (δ, ppm) for the glycide portions for deprotected 3-*O*-D-glucoyl derivatives

substrate	solvent	C-1	C-2	C-3	C-4	C-5	C-6
7a-αp	Me_2SO	92.4	72.2	81.9	72.1	70.1	61.2
9a-αp	Me_2SO	92.3	72.1	82.0	72.2	70.1	61.3
9c-αp	Me_2SO	92.2	72.2	82.0	72.0	70.1	61.0
7a-βp	Me_2SO	96.9	76.7	85.2	74.6	69.8	61.1
9a-βp	Me_2SO	97.0	76.7	85.3	74.7	69.8	61.1
9c-βp	Me_2SO	96.8	76.7	85.3	74.7	69.8	61.0

Table 6: ^{13}C NMR spectroscopic data (δ, ppm) of the glycide portion for deprotected lactose derivatives.

Compound	**Solvent**	**C-1'**	**C-2'**	**C-3'**	**C-4'**	**C-5'**	**C-6'**	**C-1**	**C-2**	**C-3**	**C-4**	**C-5**	**C-6**
α-lactose*	D_2O	103.7	72.0	73.5	69.54	76.2	62.0	96.6	74.83	75.3	79.2	75.6	61.1
7b-α	Me_2SO	102.3	72.6	73.3	68.4	74.7	67.5	95.1	74.2	75.1	80.0	75.3	60.8
9b-α	Me_2SO	102.8	72.7	73.6	68.4	74.8	67.5	95.5	74.4	75.0	80.1	75.2	60.6
9d -α	Me_2SO	102.2	72.7	73.6	68.4	74.8	67.4	95.8	74.5	75.1	80.4	75.5	60.6
β-lactose*	D_2O	103.6	72.0	73.5	69.5	76.2	62.0	92.7	72.2	72.4	79.3	71.0	61.1
7b- β	Me_2SO	102.3	72.4	73.4	68.2	74.2	67.51	95.0	72.7	72.1	81.2	71.3	60.7
9b- β	Me_2SO	102.6	72.5	73.8	68.3	74.6	67.5	95.7	72.3	72.2	80.7	71.8	60.5
9d - β	Me_2SO	102.8	72.4	73.8	68.3	74.6	67.2	95.6	72.5	72.2	80.7	71.8	60.5