Glycolipids as a source of polyols for the design of original linear and cross-linked polyurethanes

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Figure S12 HSQC (CD$_3$OD) for 7
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Water

Chemical Shift (ppm)
Figure S14 COSY, HSQC (DMSO-D$_6$) for 7

![NMR spectra of 7 with COSY and HSQC](image)

CH(OH)/CH$_3$

H/C (f)

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Figure S15: HSQC experiments before and after polymerization of 5

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**Figure S16:** SEC traces as a function of time of PUs from polyol 5 and IPDI
Figure S17. $^{13}$C DEPT spectra in DMSO-d$_6$ of PUs obtained from 6, from 7 and from a mixture of 6 and 7 as polyols and IPDI ($CH_2$>0 and $CH_3$, $CH<$0)
Figure S18: DSC traces of cross-linked PUs from mixture of polyols 5 and 8 and IPDI (Table 1 run 9 Table 2 runs 13-16)

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Figure S21: Weight loss traces and their corresponding derivatives curves for several glycopolyurethanes (heating rate, 10°C/min).