

Supporting Information for
A One-pot Strategy for Synthesis of
5-O-(α -D-Arabinofuranosyl)-6-O-(β -D-galactofuranosyl)-D-galactofuranose
Present in Motif E of the *Mycobacterium tuberculosis* Cell Wall

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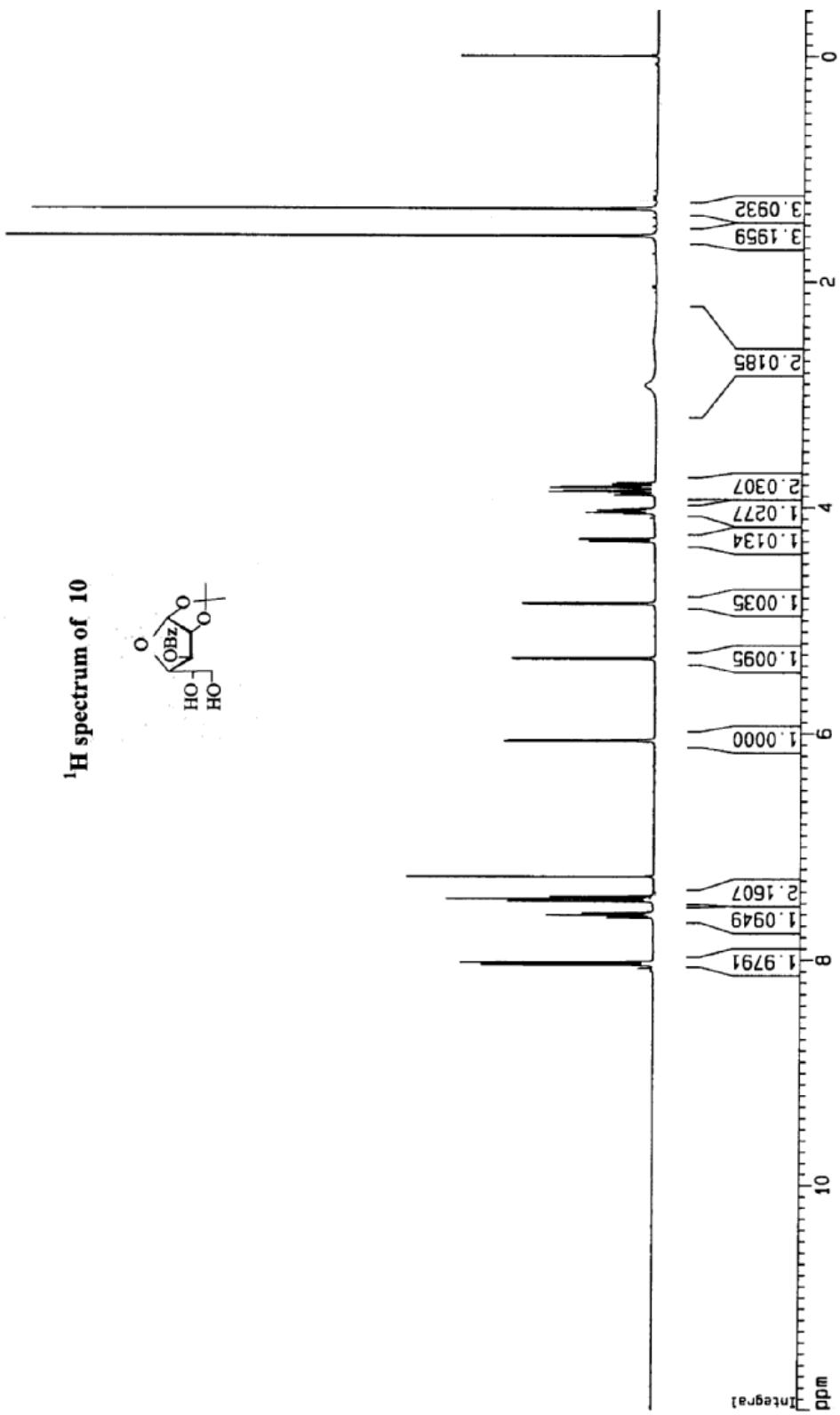
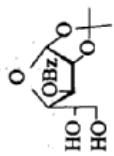
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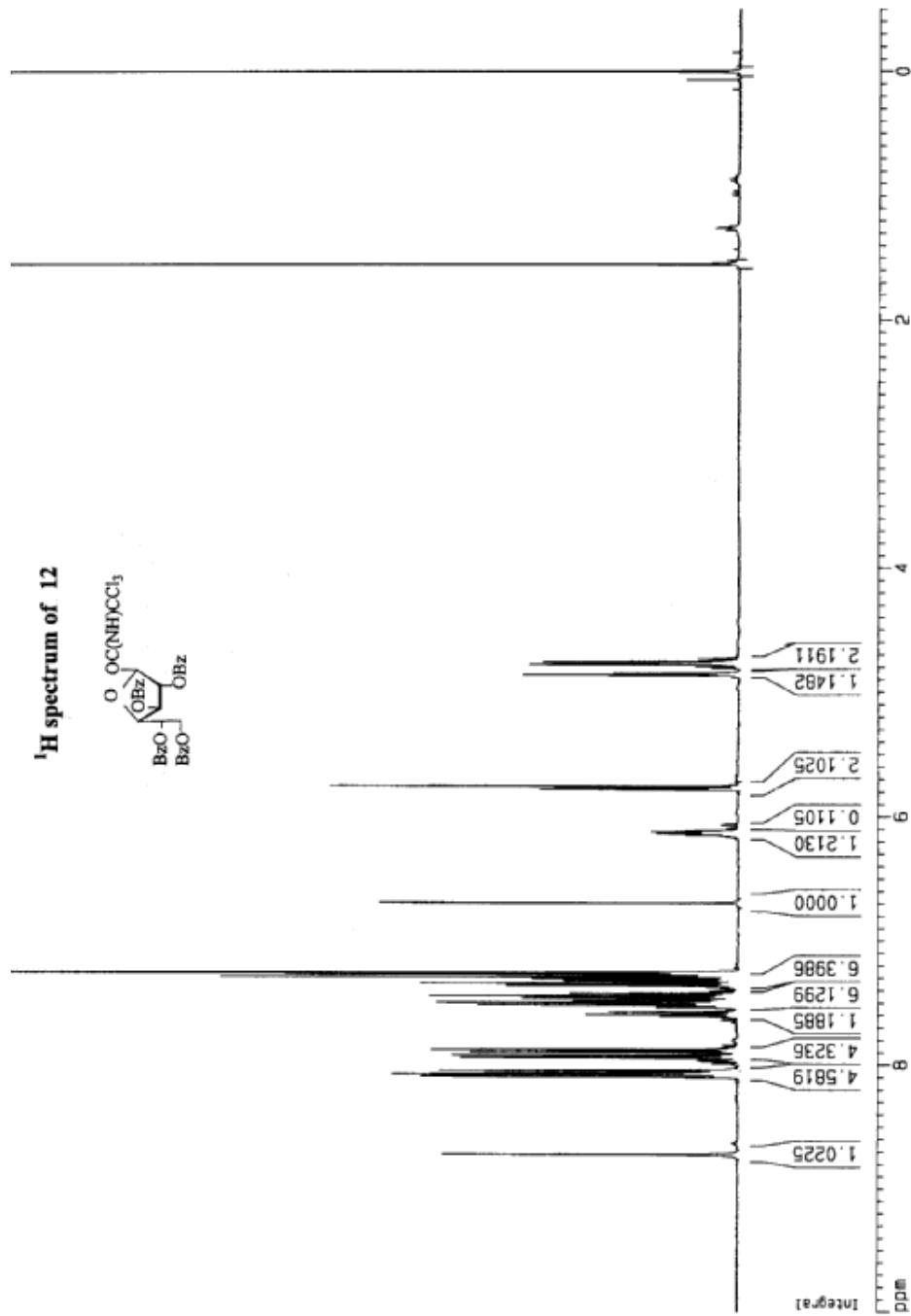
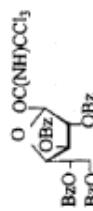
Page

- S2 ^1H spectrum of 3-O-benzoyl-1,2-O-isopropylidene- α -D-galactofuranose (10)
- S3 ^1H spectrum of 2,3,5,6-tetra-O-benzoyl- β -D-galactofuranosyl trichloroacetimidate (12)
- S4 ^1H spectrum of 6-O-(2,3,5,6-tetra-O-benzoyl- β -D-galactofuranosyl)-3-O-benzoyl-1,2-O-isopropylidene- α -D-galactofuranose (14)
- S5 ^1H NMR spectrum of 5-O-(2,3,5-Tri-O-benzoyl- α -D-arabifuranosyl)-6-O-(2,3,5,6-tetra-O-benzoyl- β -D-galactofuranosyl)-3-O-benzoyl-1,2-O-isopropylidene- α -D-galactofuranose (15)
- S6 ^1H - ^1H NMR 2D-correlational spectrum of 5-O-(2,3,5-Tri-O-benzoyl- α -D-arabifuranosyl)-6-O-(2,3,5,6-tetra-O-benzoyl- β -D-galactofuranosyl)-3-O-benzoyl-1,2-O-isopropylidene- α -D-galactofuranose (15)
- S7 ^{13}C NMR spectrum of 5-O-(2,3,5-Tri-O-benzoyl- α -D-arabifuranosyl)-6-O-(2,3,5,6-tetra-O-benzoyl- β -D-galactofuranosyl)-3-O-benzoyl-1,2-O-isopropylidene- α -D-galactofuranose (15)
- S8 ^1H - ^{13}C NMR 2D-correlational spectrum of 5-O-(2,3,5-Tri-O-benzoyl- α -D-arabifuranosyl)-6-O-(2,3,5,6-tetra-O-benzoyl- β -D-galactofuranosyl)-3-O-benzoyl-1,2-O-isopropylidene- α -D-galactofuranose (15)
- S9 ^{13}C NMR spectrum of 5-O-(α -D-Arabinofuranosyl)-6-O-(β -D-galactofuranosyl)-D-galactofuranose (6)

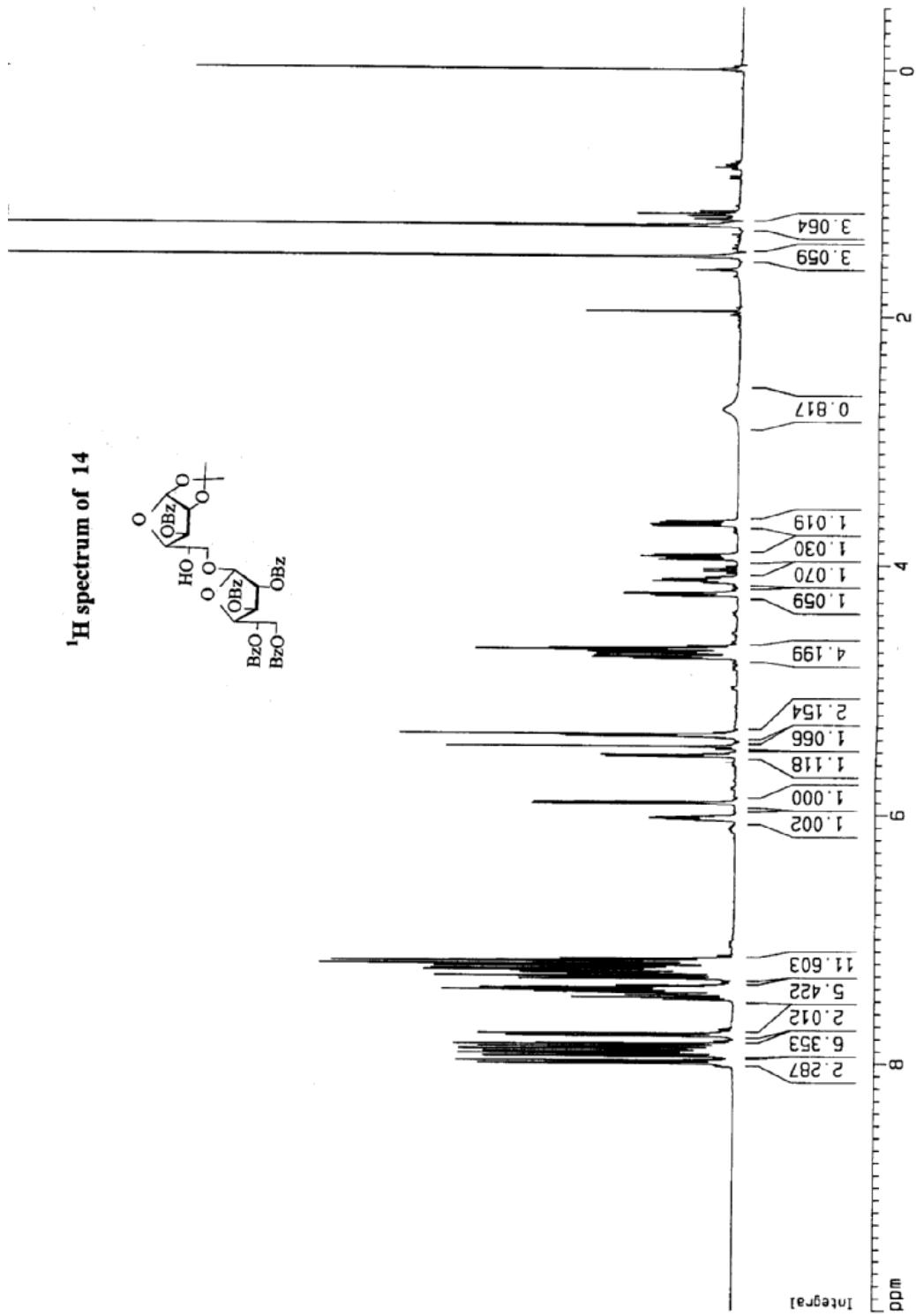
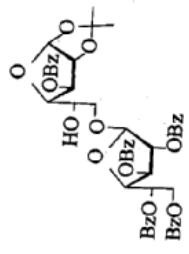
¹H spectrum of 10



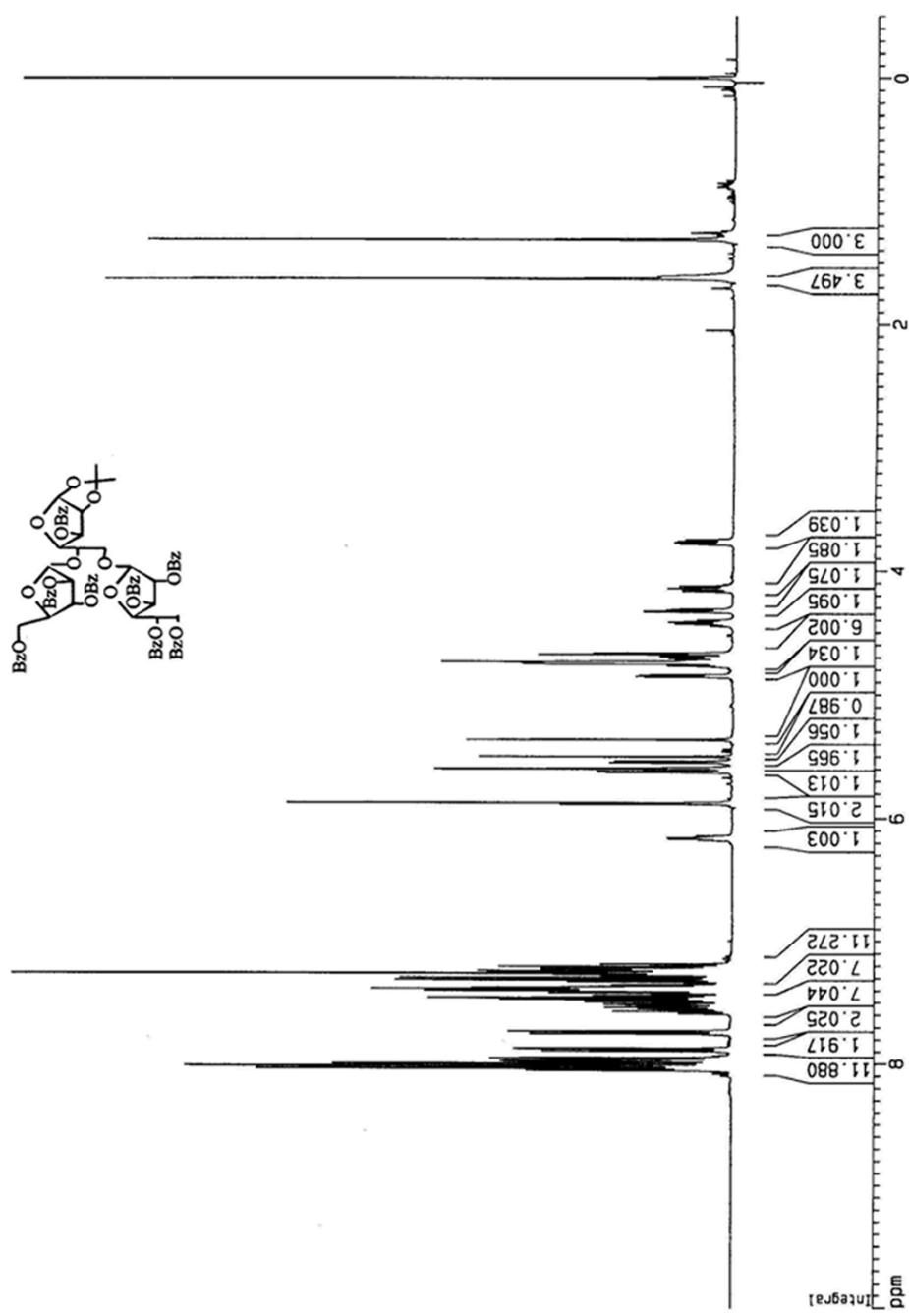
¹H spectrum of 12



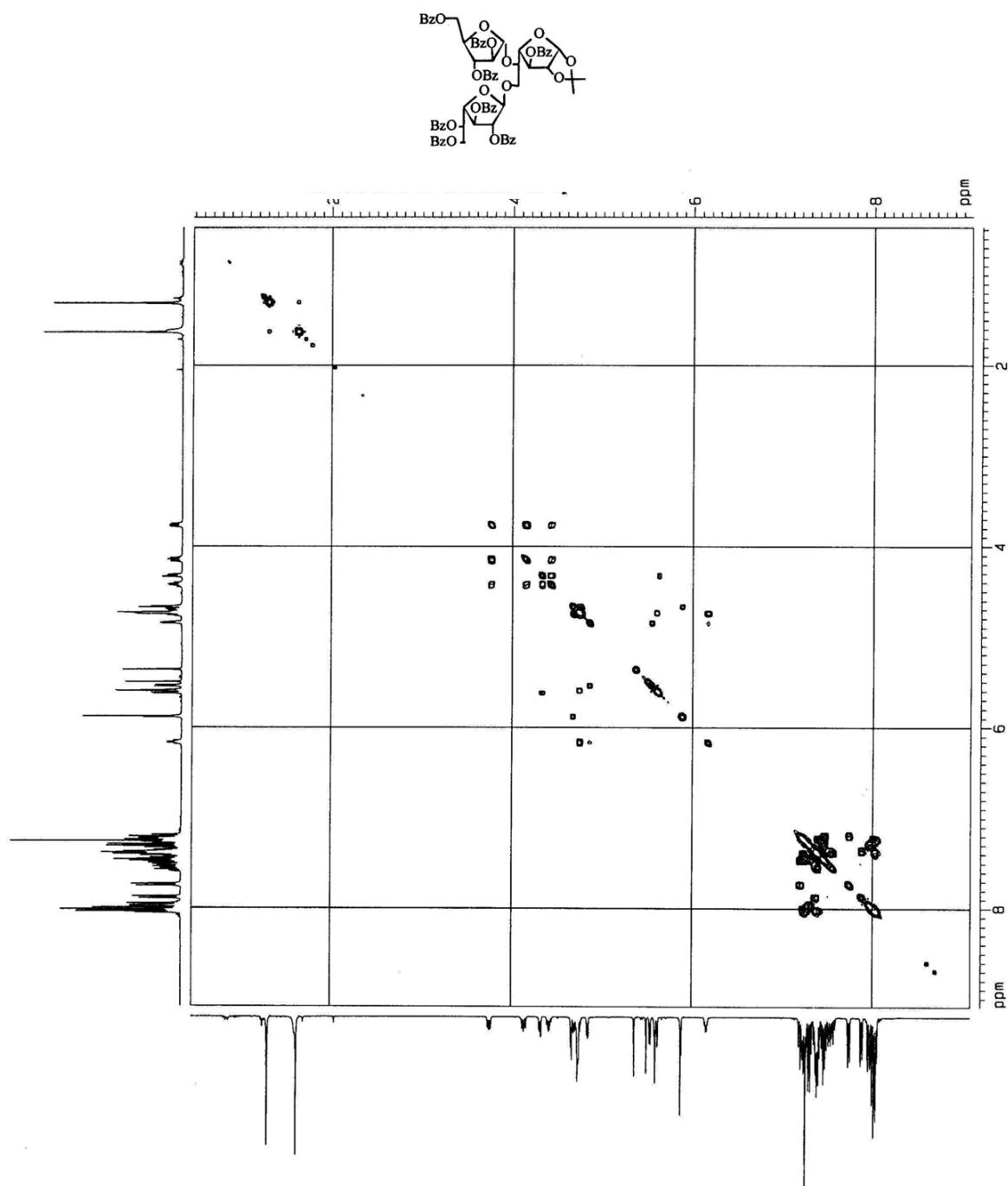
¹H spectrum of 14



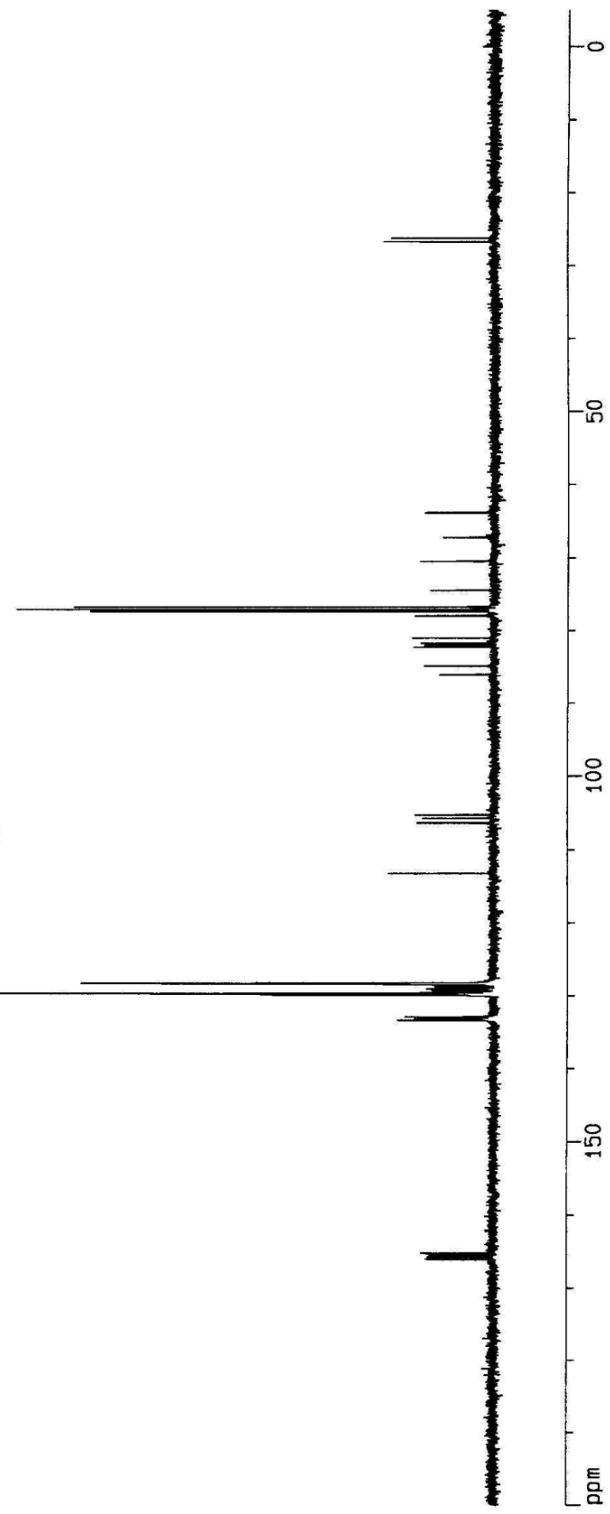
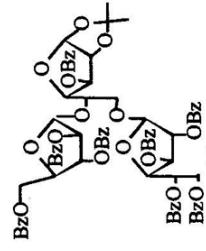
¹H spectrum of 15



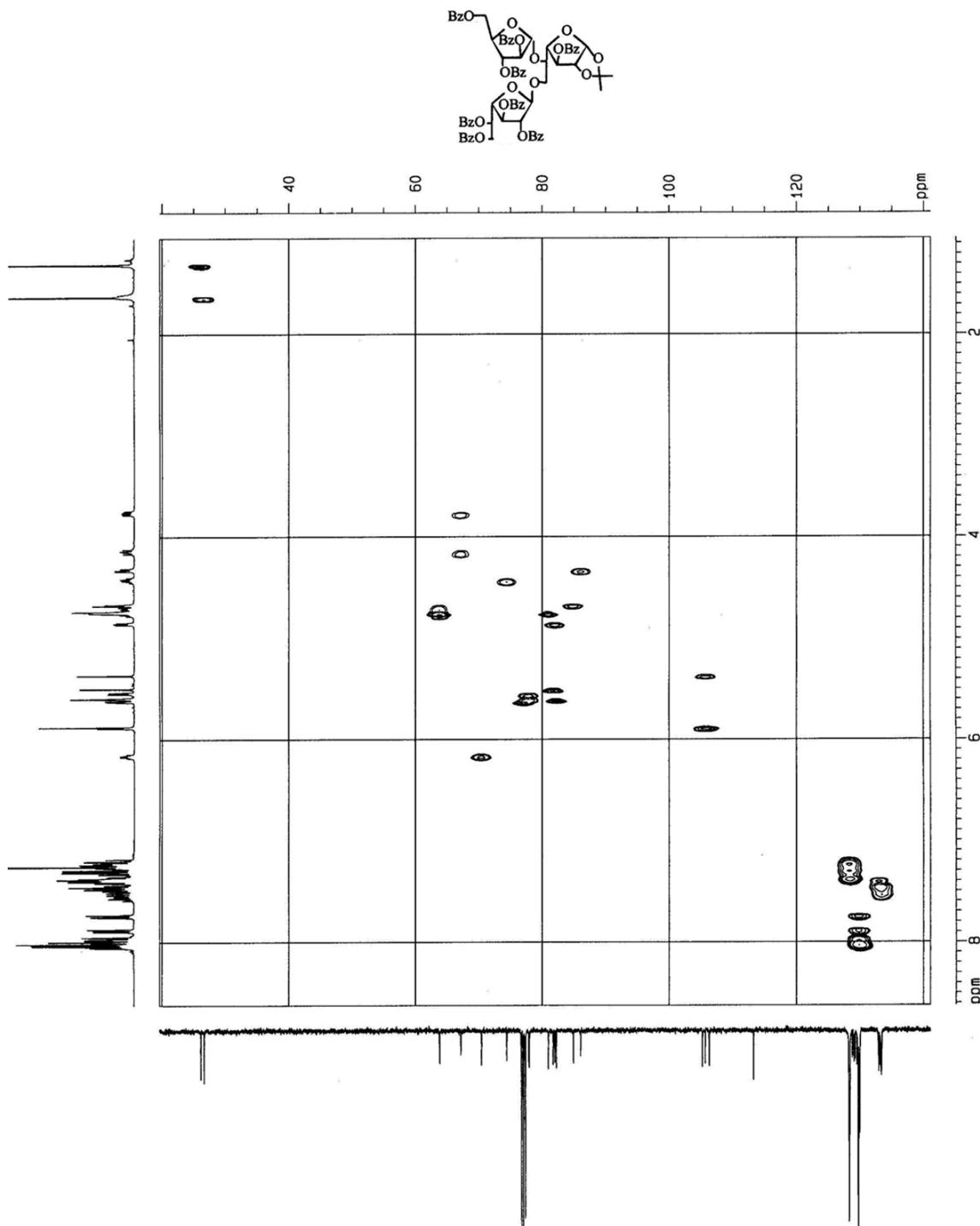
^1H - ^1H NMR 2D-correlational spectrum of 15



¹³C NMR spectrum of 15



¹H-¹³C NMR 2D-correlational spectrum of 15



¹³C NMR spectrum of 6

