

Supplementary Information

***N,N*-Bis(hexyl α -D-acetylmannosyl) acrylamide**

Atsushi Miyagawa*, Shinya Ohno and Hatsuo Yamamura

Department of Materials Science and Engineering, Nagoya Institute of Technology, Gokiso, Showa-ku, Nagoya, 466-8555, Japan

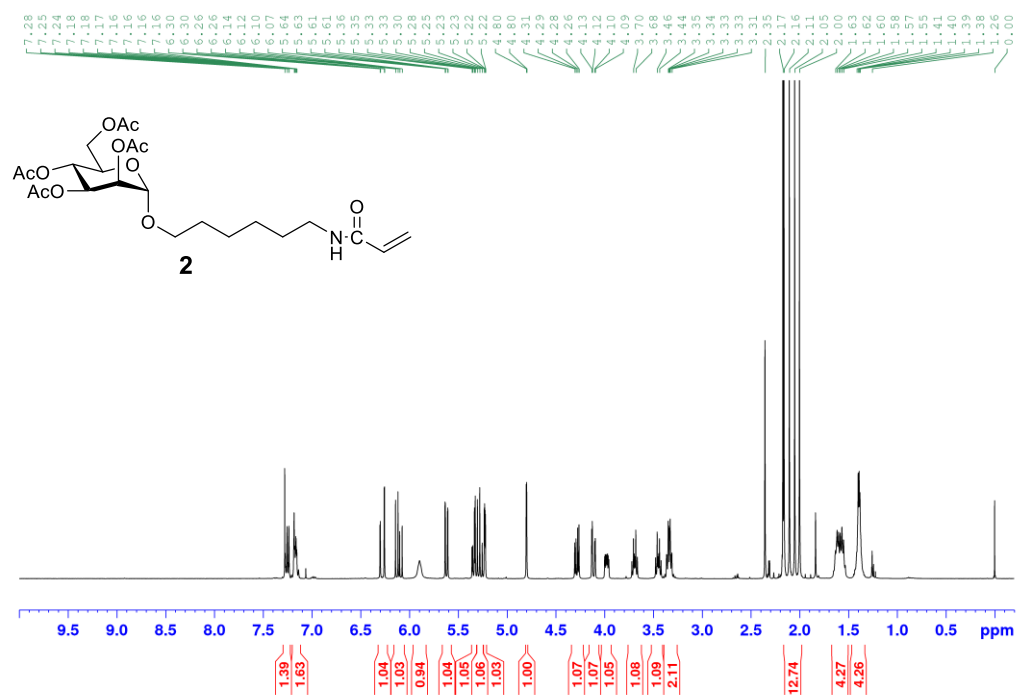
Corresponding author. E-mail: miyagawa.atsushi@nitech.ac.jp

Contents

Figure S1. ^1H and ^{13}C NMR spectra of <i>N</i> -hexyl acetylmannosyl acrylamide 2	S2
Figure S2. ^1H and ^{13}C NMR spectra of <i>N,N</i> -bis(hexyl α -acetylmannosyl) acrylamide 3	S3
Figure S3. MALDI-TOF mass spectrum of <i>N,N</i> -bis(hexyl α -acetylmannosyl) acrylamide 3	S4
Figure S4. FT-IR spectrum of <i>N,N</i> -bis(hexyl α -acetylmannosyl) acrylamide 3	S5

Figure S1. ^1H and ^{13}C NMR spectra of *N*-hexyl acetylmannosyl acrylamide **2**.

^1H NMR spectrum of *N*-hexyl acetylmannosyl acrylamide **2** (400 MHz, CDCl_3)



^{13}C NMR spectrum of *N*-hexyl acetylmannosyl acrylamide **2** (101 MHz, CDCl_3)

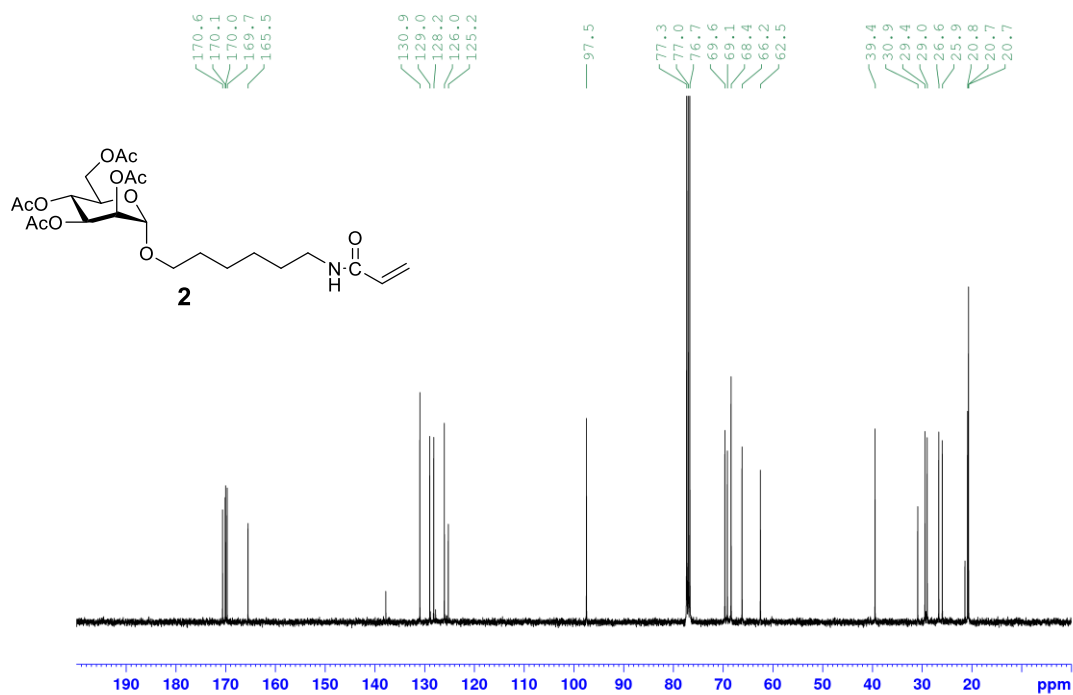
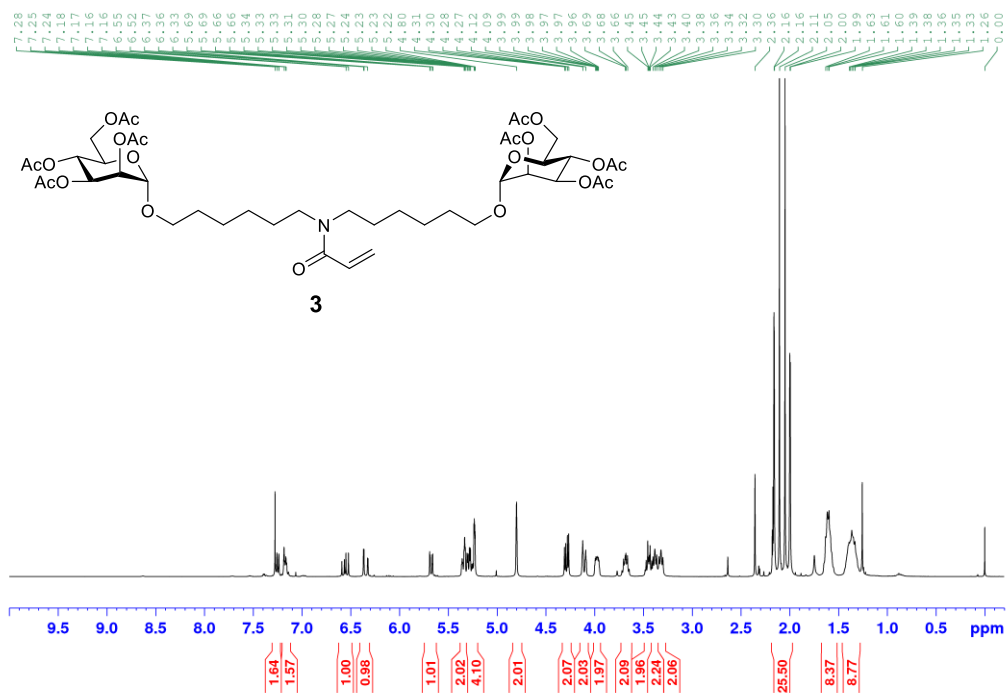


Figure S2. ^1H and ^{13}C NMR and ESI-MS spectra of *N,N*-Bis(hexyl α -acetylmannosyl) acrylamide **3**
 ^1H NMR spectrum of *N,N*-bis(hexyl α -acetylmannosyl) acrylamide **3** (400 MHz, CDCl_3)



^{13}C NMR spectrum of *N,N*-bis(hexyl α -acetylmannosyl) acrylamide **3** (101 MHz, CDCl_3)

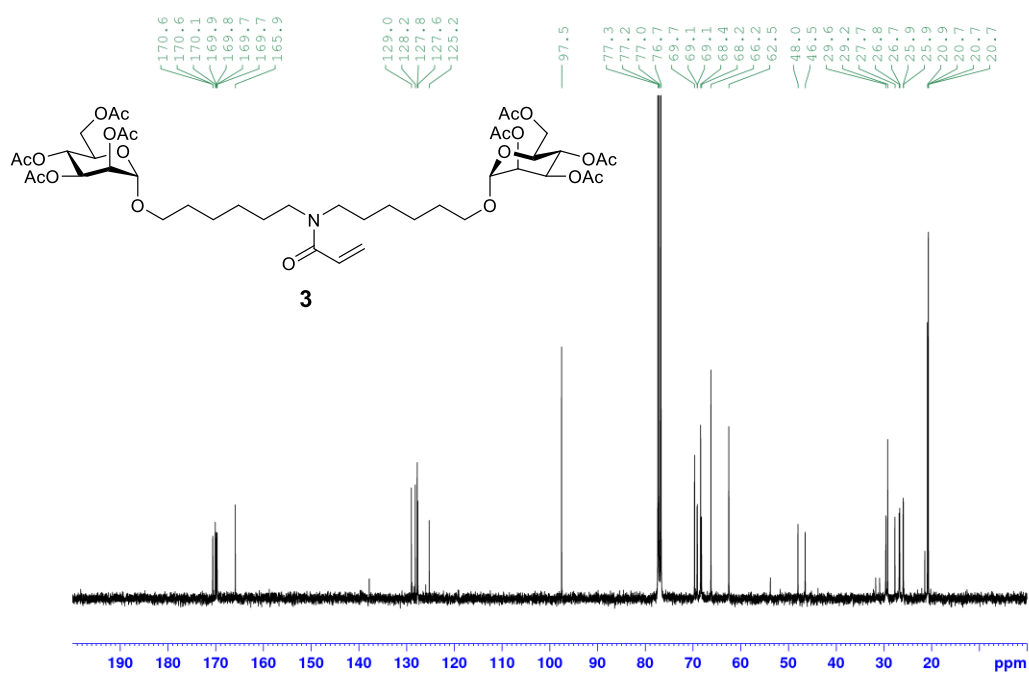


Figure S3. MALDI-TOF mass spectrum of *N,N*-bis(hexyl α -acetylmannosyl) acrylamide **3**

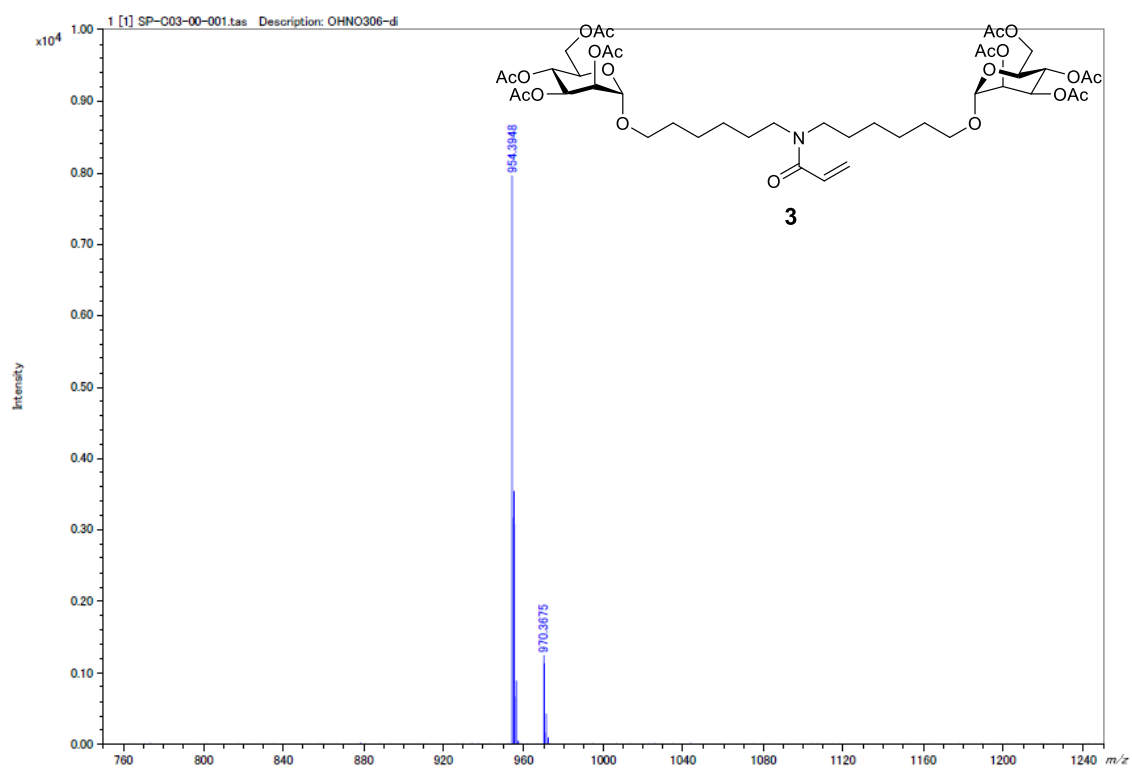
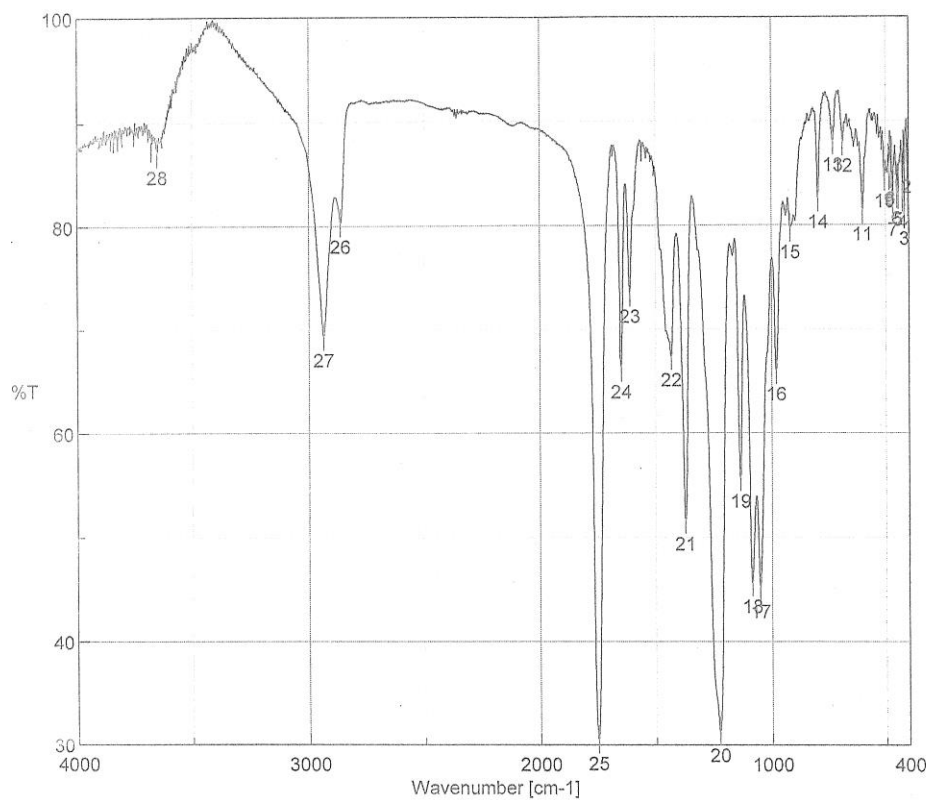


Figure S4. FT-IR spectrum of *N,N*-bis(hexyl α -acetylmannosyl) acrylamide **3**



ピーク検出結果

No.	位置	強度	No.	位置	強度
1	404.014	82.0529	2	408.353	85.9208
3	418.959	80.9565	4	427.155	82.5219
5	444.994	82.7772	6	451.261	82.8702
7	469.1	81.8221	8	478.26	84.7578
9	485.492	84.6371	10	505.74	84.5665
11	601.2	81.3776	12	687.981	87.9803
13	730.407	88.0658	14	795.975	82.5579
15	916.986	79.685	16	979.661	66.0415
17	1049.57	45.1932	18	1084.76	45.6526
19	1135.87	55.7419	20	1226.99	31.3368
21	1372.59	51.6589	22	1432.85	67.3761
23	1610.75	73.5153	24	1647.39	66.2571
25	1750.57	30.5371	26	2862.33	80.2941
27	2936.57	69.3201	28	3650.11	87.0353

[コメント情報]

試料名
コメント
測定者
所属
会社 名古屋工業大学 工学部

[測定情報]

機種名 FT/IR-4100typeA
シリアル番号 B007261016

光源 標準光源
検出器 TGS
積算回数 128
分解 2 cm⁻¹
ゼロフィリング On
アポダイゼーション Cosine
ゲイン Auto (16)
アパーチャー Auto (5 mm)
スキャンスピード Auto (2 mm/sec)
フィルタ Auto (30000 Hz)