Electronic Supplementary Material (ESI) for New Journal of Chemistry.

Table S1 Crystal data and structure refinement for α-CD·CH_4·4.98H_2O	
CCDC deposition number	CCDC_2247021
Empirical formula	$C_{37}H_{73.7}O_{34.85}$
Formula weight	1068.49
***T*/K**	100(2)
Crystal system	orthorhombic
Space group	$P2_12_12_1$
***a*/Å**	9.3540(11)
***b*/Å**	14.3606(18)
***c*/Å**	37.141(5)
α/°	90
β/°	90
γ/°	90
Volume/Å³	4989.1(11)
Z	4
ρ_{calc}g/cm³	1.423
μ/mm⁻¹	0.128
F(000)	2271.0
Crystal size/mm³	0.29 × 0.22 × 0.13
Radiation	MoKα (λ = 0.71073)
2Θ range for data collection/°	4.386 to 66.282
Index ranges	-12 ≤ h ≤ 14, -20 ≤ k ≤ 22, -51 ≤ l ≤ 57
Reflections collected	57921
Independent reflections	18978 [R_{int} = 0.0424, R_{sigma} = 0.0507]
Data/restraints/parameters	18978/2/705
Goodness-of-fit on F²	1.043
Final R indexes [*I*>=2σ (*I*)]	R_1 = 0.0511, wR_2 = 0.1326
Final R indexes [all data]	R_1 = 0.0644, wR_2 = 0.1408
Largest diff. peak/hole / e Å⁻³	1.86/-0.40
Flack parameter	-0.1(2)