Supporting Information

Isolation and structure elucidation of cystargamide, a lipopeptide from *Kitasatospora cystarginea*

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Supporting Information

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Table S1. Species of *Kitasatospora* used in the study to assess the potential for natural product production.

Species	**Culture collection n°**
Kitasatospora griseola MF730-N6	FERM BP-1045
Kitasatospora griseola	NRRL B-16229
Kitasatospora cystarginea	NRRL B-16505
Kitasatospora grisea	NRRL B-16503
Kitasatospora kifuensis	NRRL B-24284
Kitasatospora mediocidica	NRRL B-16109
Kitasatospora melanogena	NRRL B-16502
Kitasatospora papulosa	NRRL B-16504
Kitasatospora phosalacinea	NRRL B-16230
Kitasatospora streptosporus	NRRL B-16228
Kitasatospora setae	NRRL B-16185
Kitasatospora sp.	NRRL F-6133

Figure S1. +ESI HRMS of cystargamide.

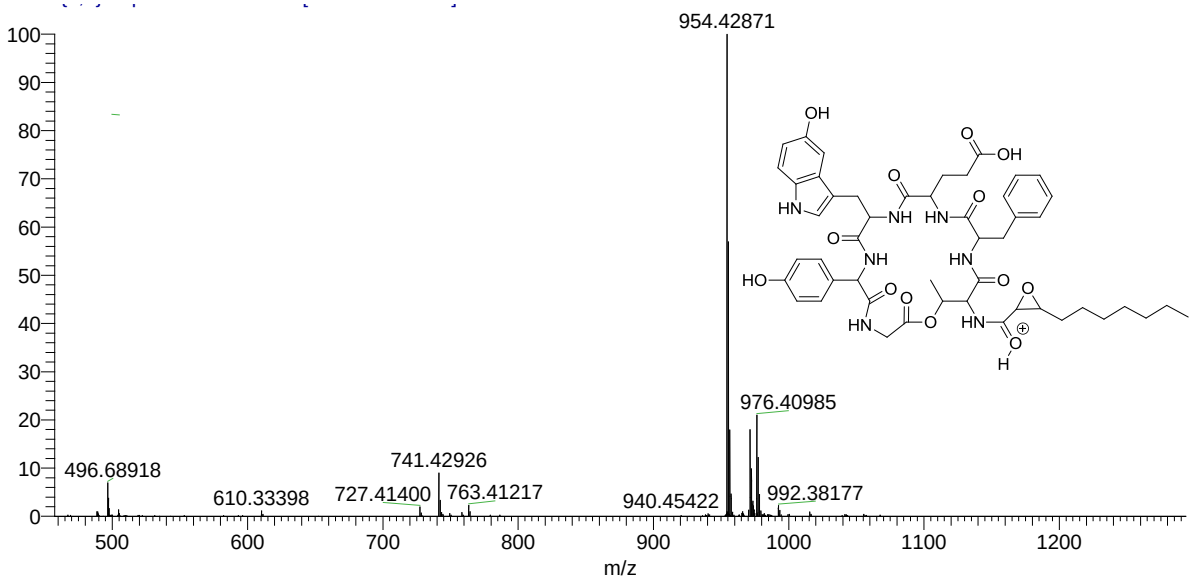


Figure S2. MS^2 spectrum of **1**

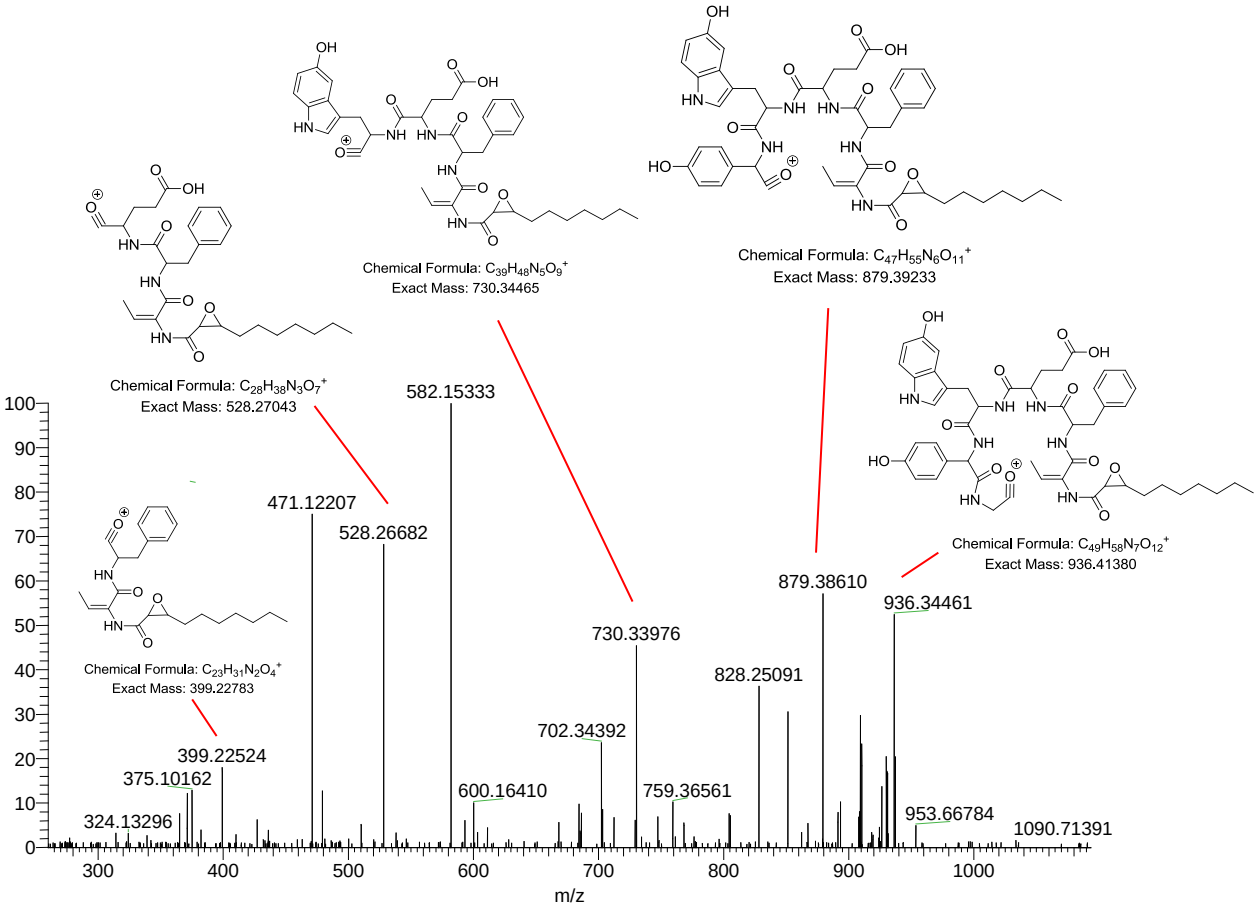
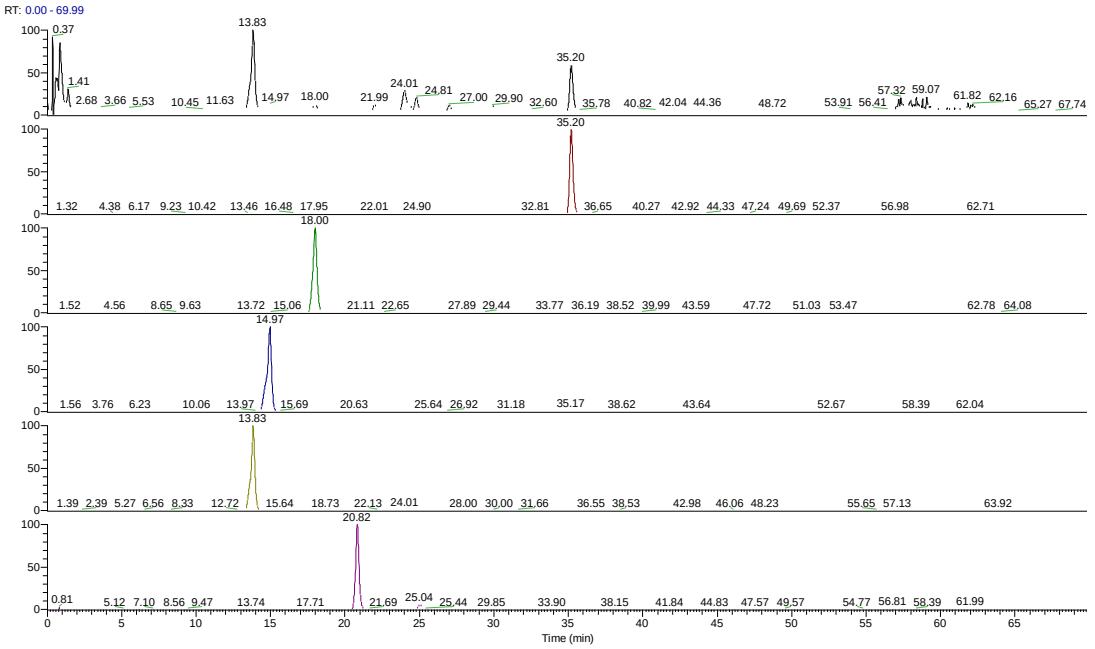
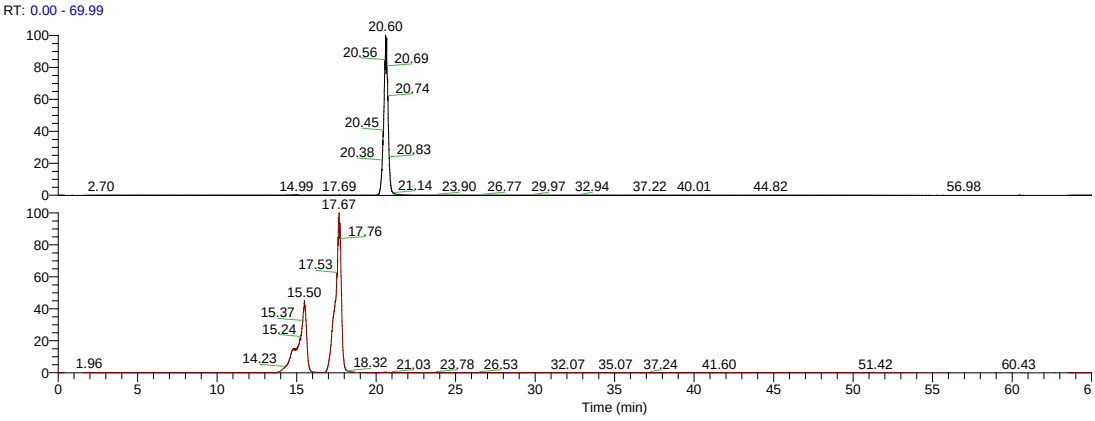


Figure S3. Chromatograms of L-FDAA derivatized amino acid standards





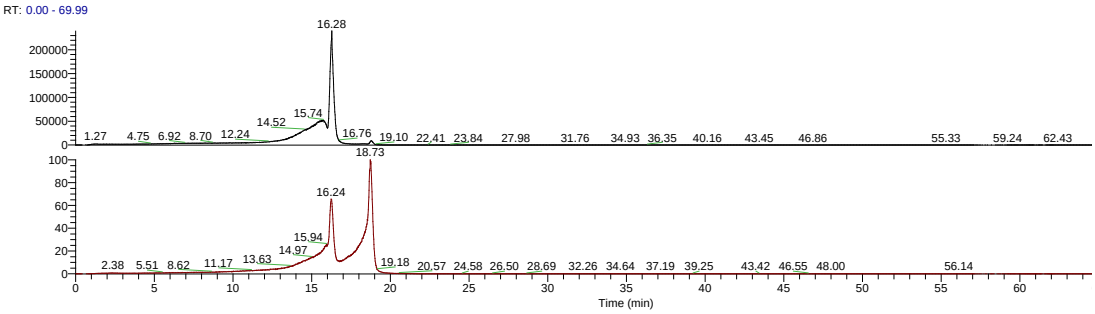


Figure S4. Chromatograms of L-FDAA derivatized hydrolysate of **1**

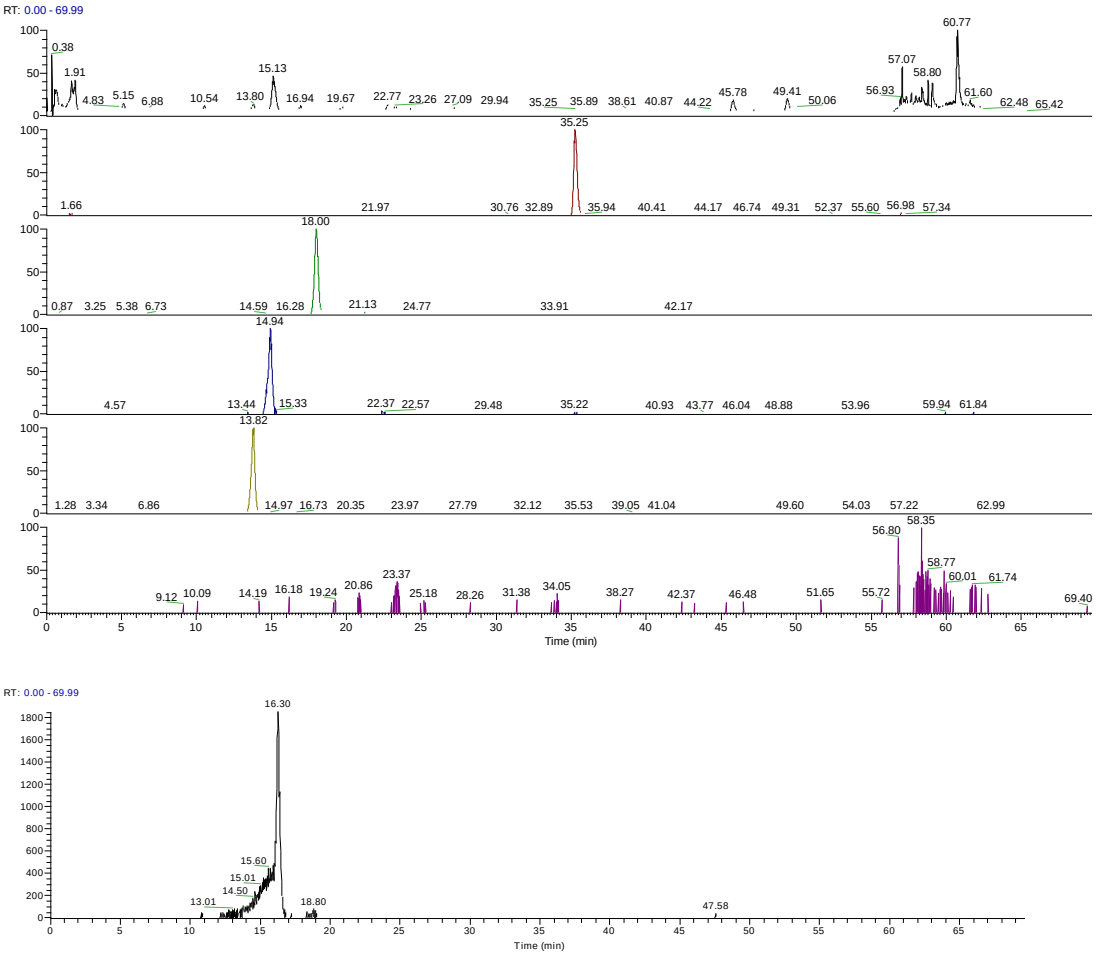


Figure S5. ^{1}H NMR (600MHz, DMSO-d_6) spectrum of **1**

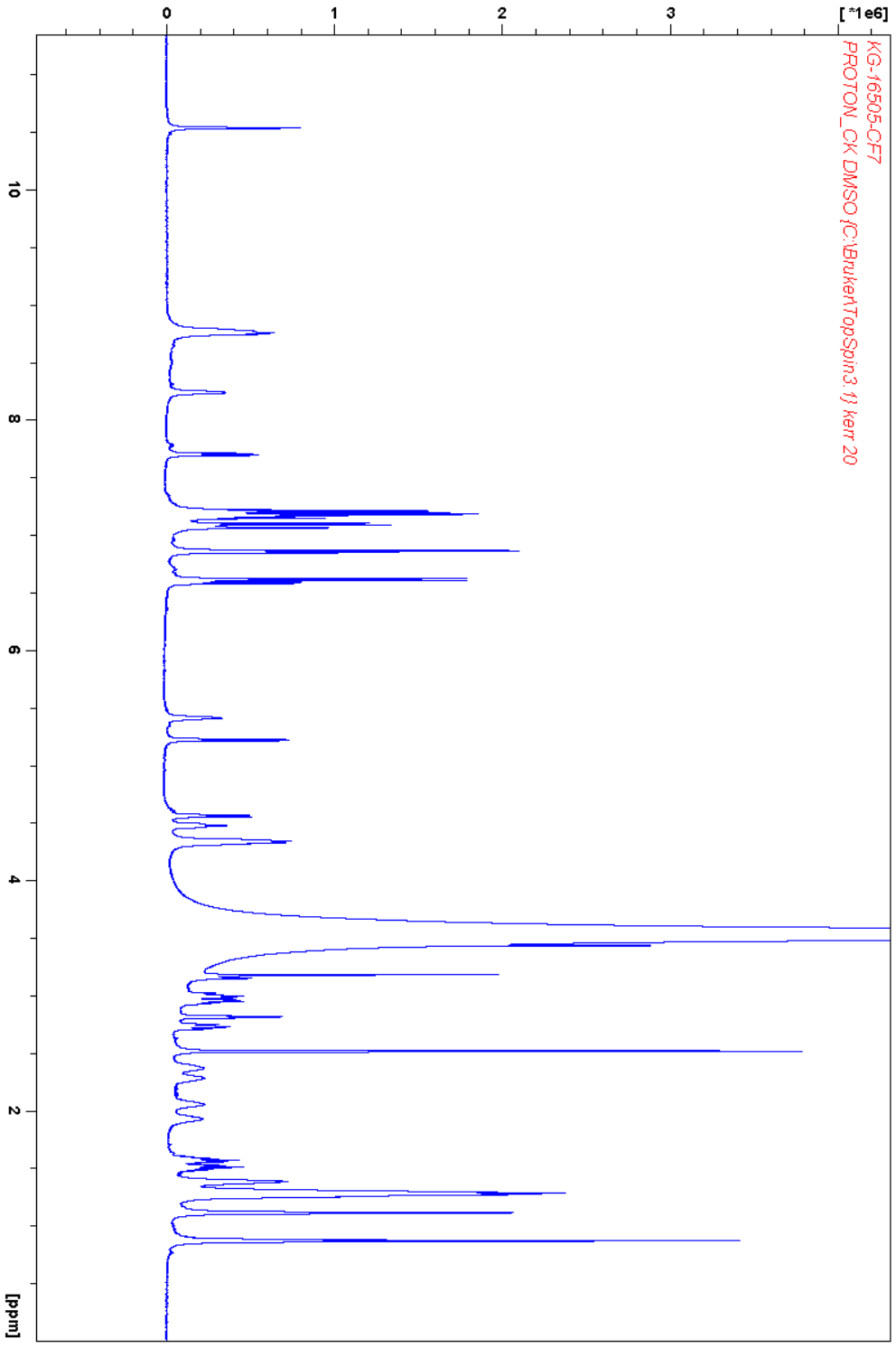


Figure S6. COSY NMR spectrum of **1**.

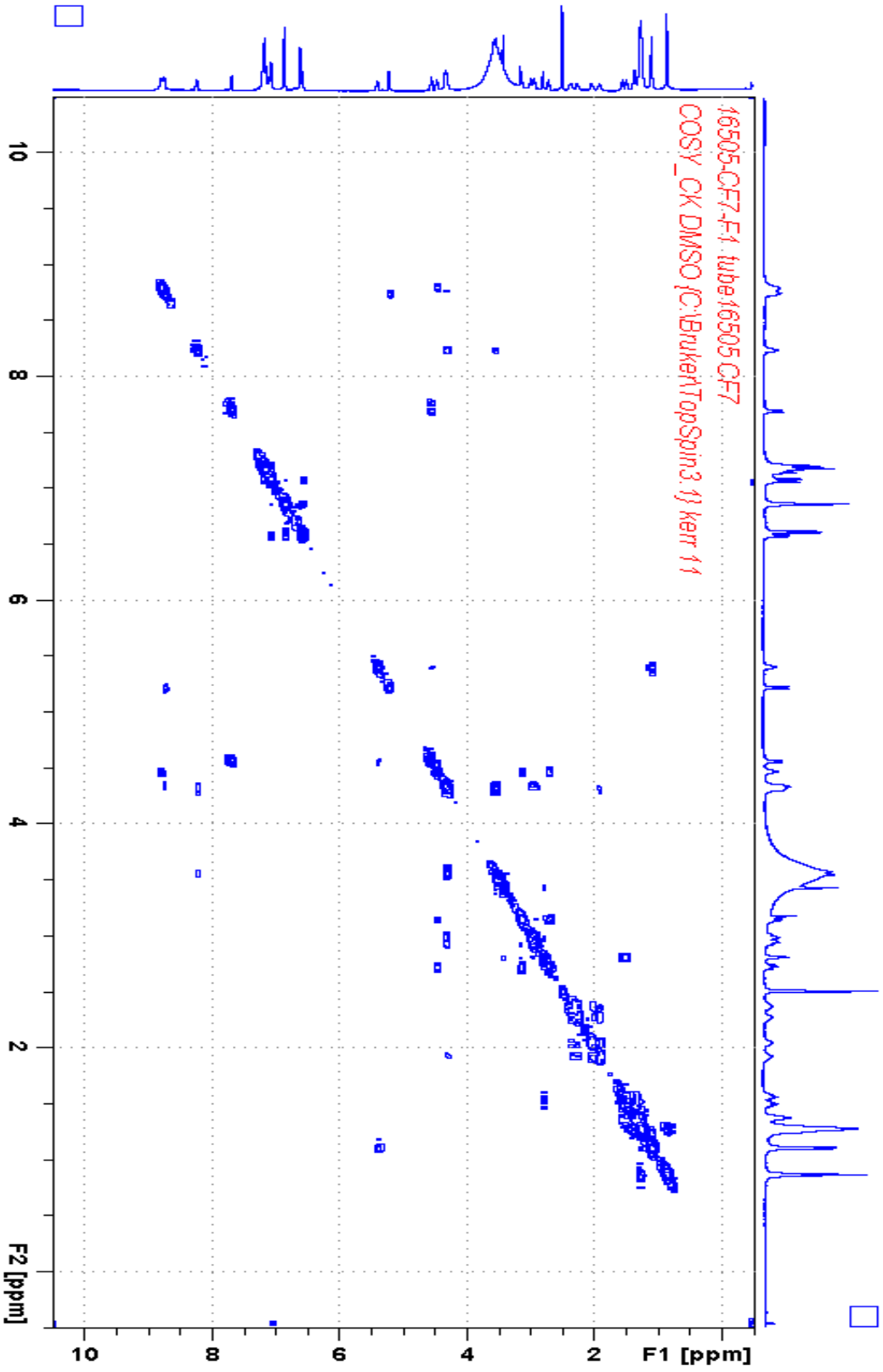


Figure S7. TOCSY NMR spectrum of **1**.

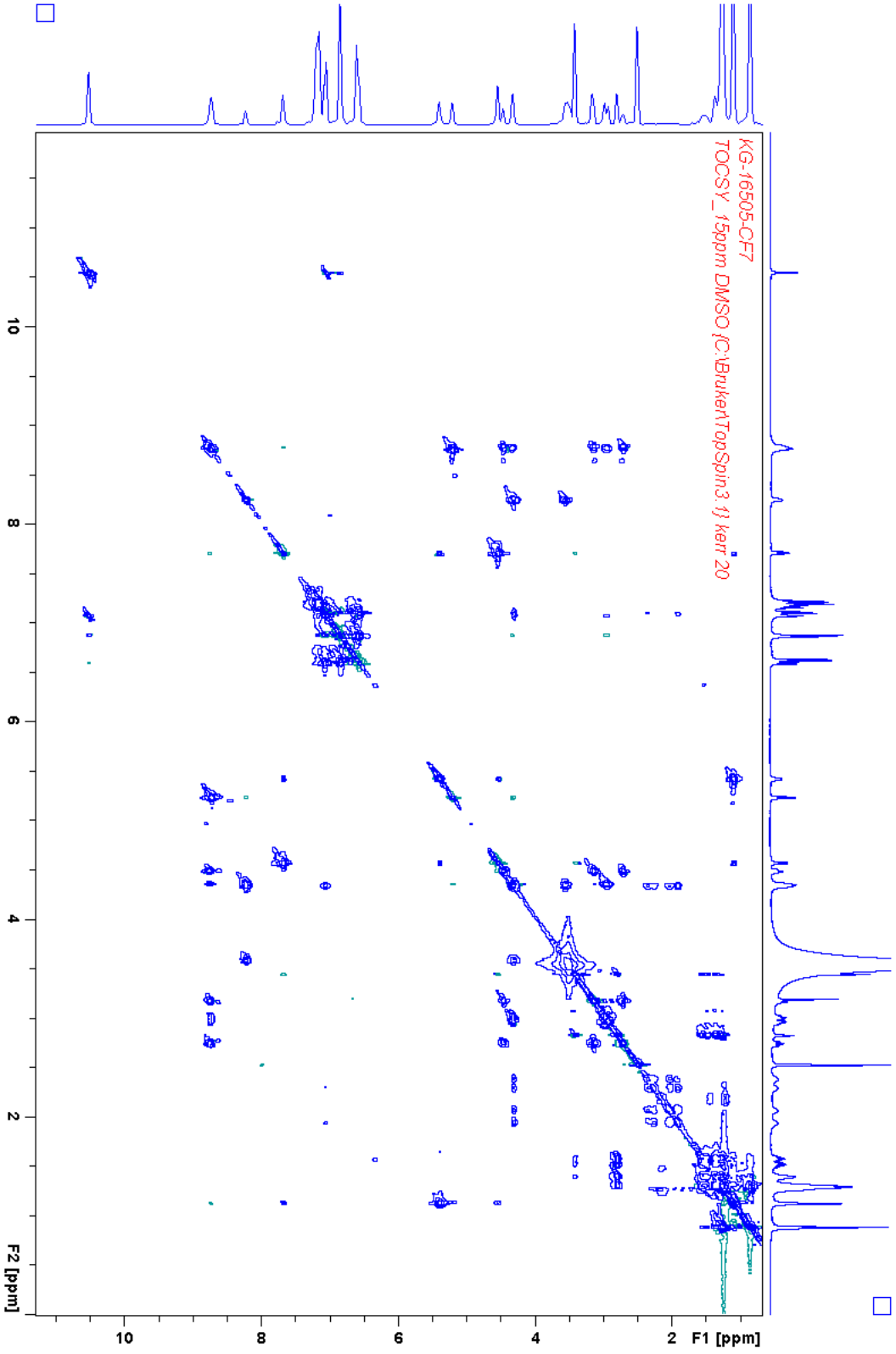


Figure S8. NOESY NMR spectrum of **1**

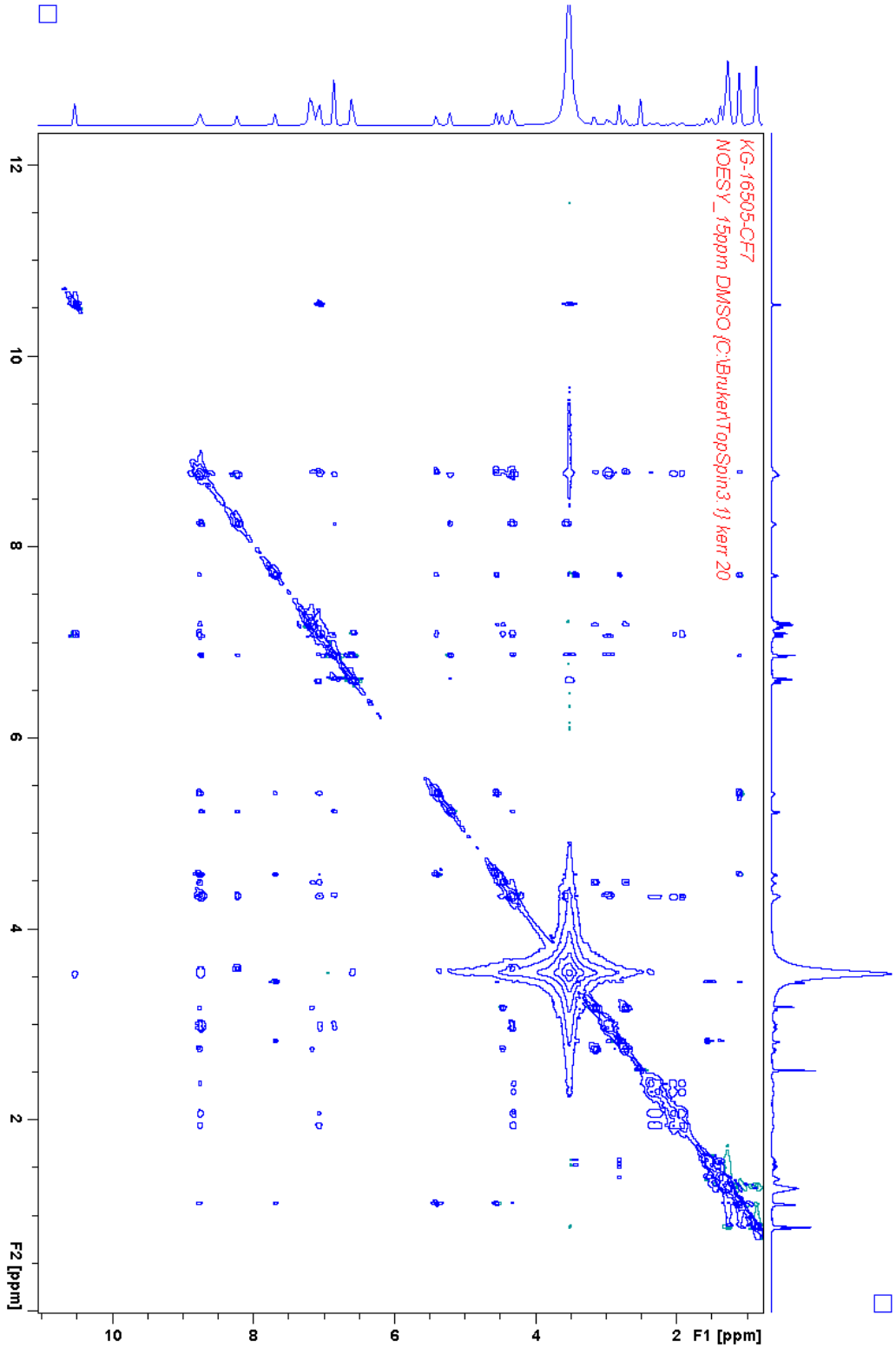


Figure S9. HSQC NMR spectrum of cytargamide

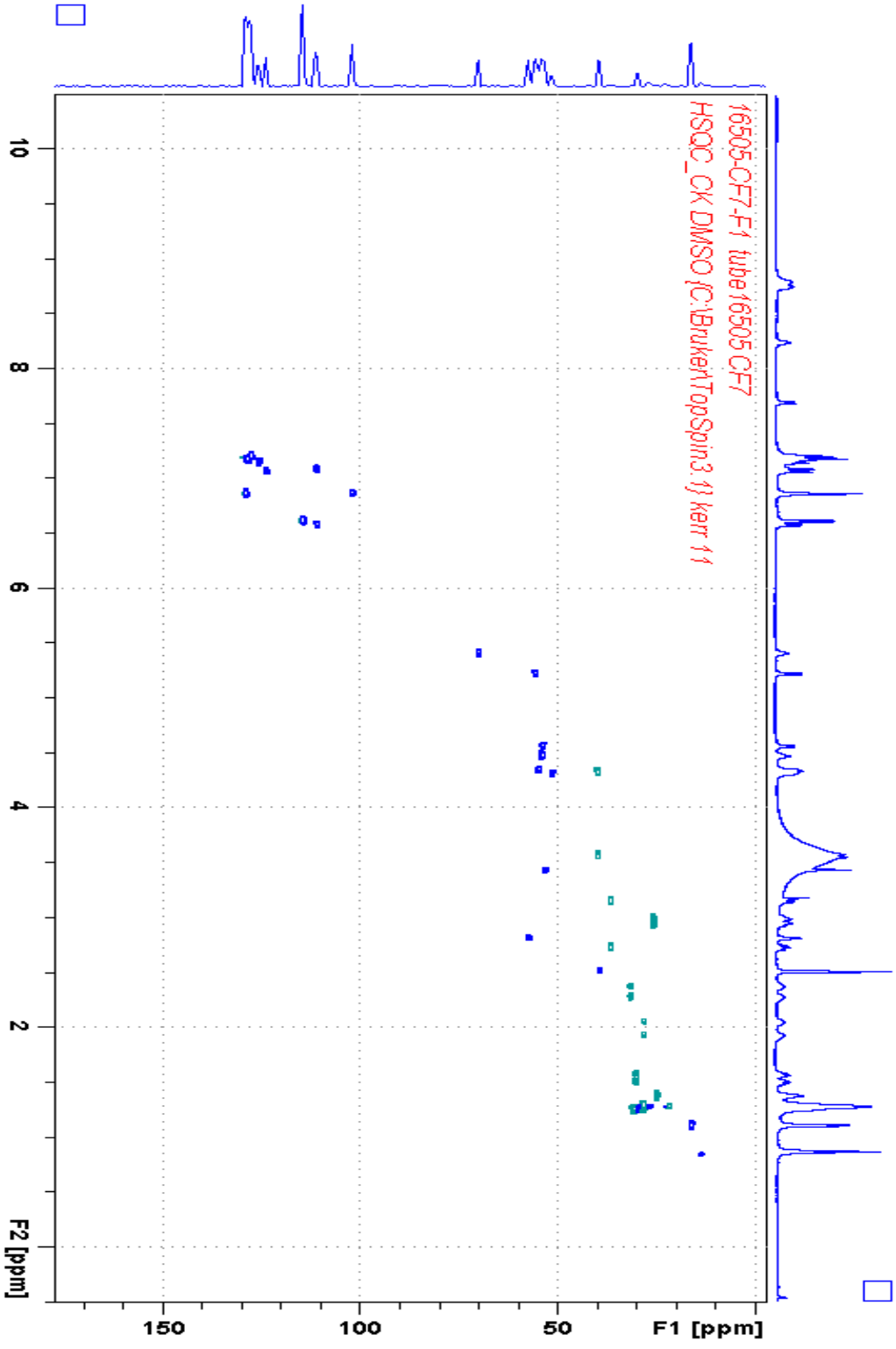


Figure S10. HMBC spectrum of **1**

