Supporting Information

Total Synthesis and Pharmacological Investigation of Cordyheptapeptide A

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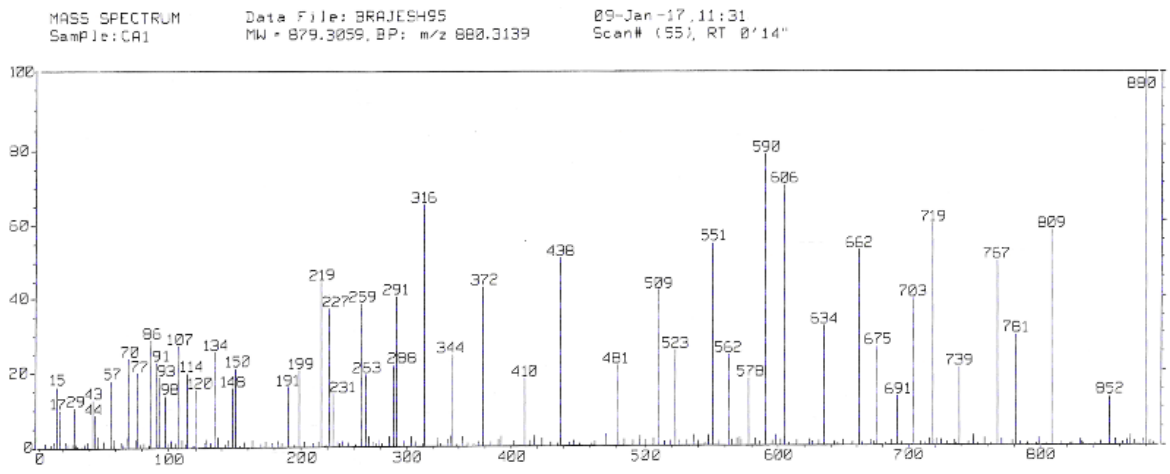

Figure S1. Mass spectrum for the *N*-methylated cyclic heptapeptide, cordyheptapeptide A (**8**)

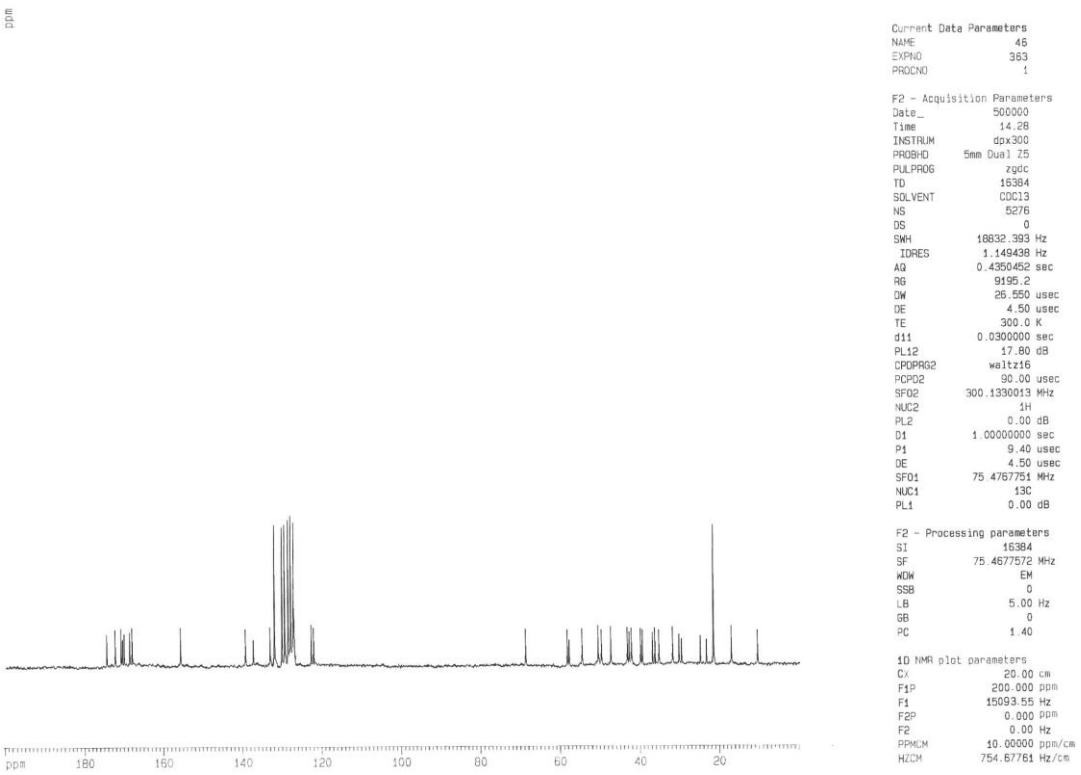

Figure S2. ^{13}C NMR spectrum for the *N*-methylated cyclic heptapeptide, cordyheptapeptide A (**8**)

Table S1. Various steric and lipophilicity parameters for the *N*-methylated linear and cyclic heptapeptide (**7, 8**)

Parameter	*Calculated value for	
	Compound 7	**Compound 8**
Molar Refractivity (MR^{20})	275.41 ± 0.3 cm^3	244.28 ± 0.4 cm^3
Molar Volume (MV^{20})	847.8 ± 3.0 cm^3	697.3 ± 5.0 cm^3
Parachor (P_r)	2271.7 ± 6.0 cm^3	1959.7 ± 6.0 cm^3
Refractive Index (n^{20})	1.563 ± 0.02	1.617 ± 0.03
Surface Tension (γ^{20})	51.5 ± 3.0 dyne/cm	62.3 ± 5.0 dyne/cm
Density (d^{20})	1.193 ± 0.06 g cm^{-3}	1.26 ± 0.1 g cm^{-3}
Polarizability (α)	109.18 ± 0.5 10^{-24} cm^3	96.84 ± 0.5 10^{-24} cm^3
log P (n-Octanol/water)	8.30 ± 0.89	5.43 ± 0.90

*Values were calculated using the ACD/ChemSketch 2.0 software