Supplementary material

Stoichiometry of complex between ligand 1 and TMA maleate

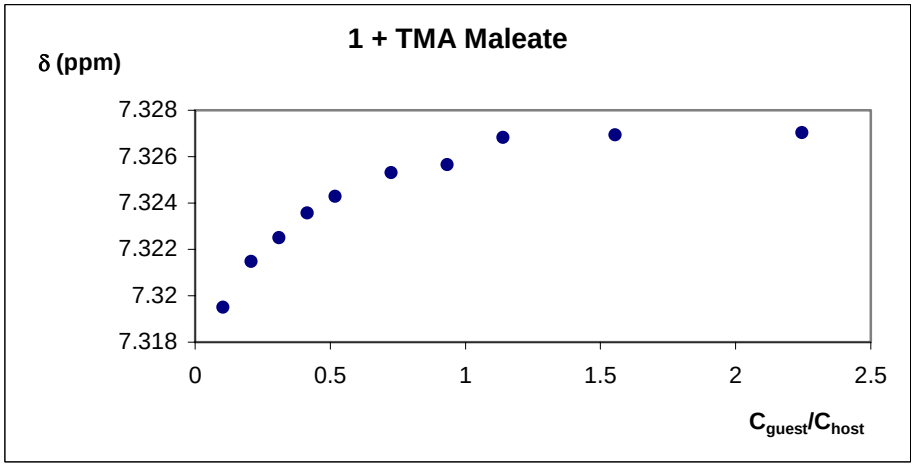
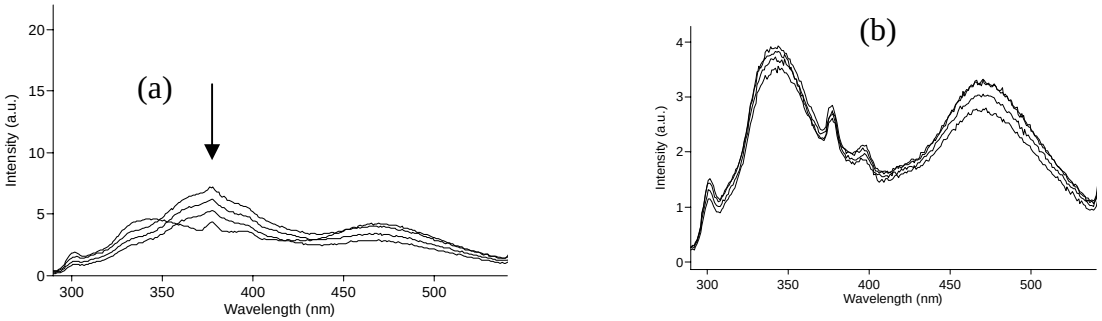


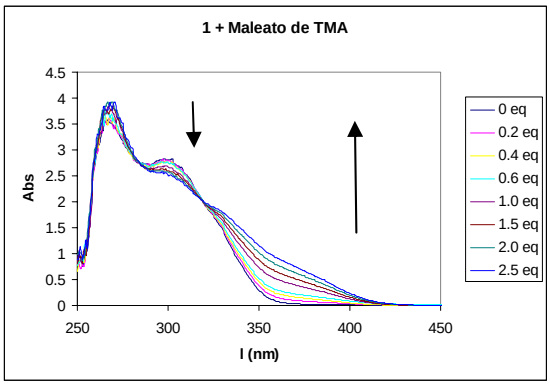
Table 1. Stoichiometry and log K in DMSO for ligands **1** and **2** with TMA fumarate and maleate by using ^{1}H NMR.

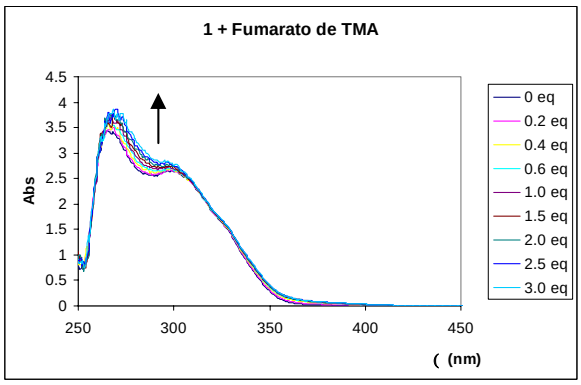
		Ligand **1**		Ligand **2**	
		TMA fumarate	TMA maleate	TMA fumarate	TMA maleate
^{1}H RMN	log *K*	4.39±0.06	5.1±0.9	2.48±0.07	2.88±0.07
	stoichiometry	1:2	1:1	1:2	1:1
UV	log *K*	5.0±0.3	5.3±0.3	3.0±0.2	2.93±0.16
	stoichiometry	1:2	1:1	1:2	1:1
Fluorescence	log *K*	4.31±0.02	*small modification*	2.86±0.15	3.00±0.18
	stoichiometry	1:2		1:2	1:1

Fluorescence spectra for ligand **2** in DMSO (λ_{exc} = 275 nm) (a) in presence of TMA fumarate; (b) in presence of TMA maleate.

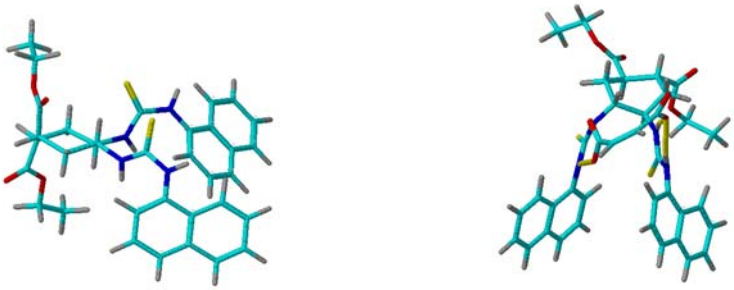


UV spectra of ligand **1** in the presence of TMA maleate and TMA fumarate



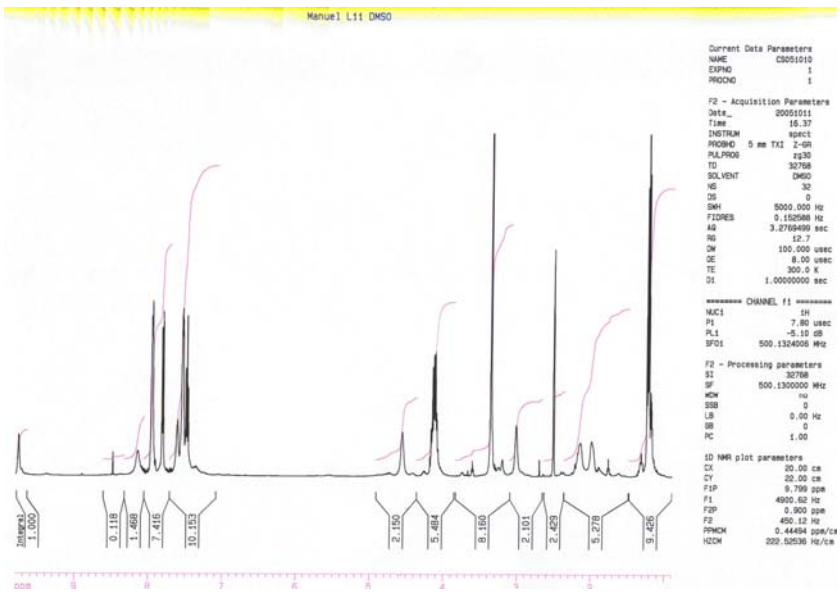


PcModel structures: (a) Ligand **1**, (b) **1**+ TMA maleate.

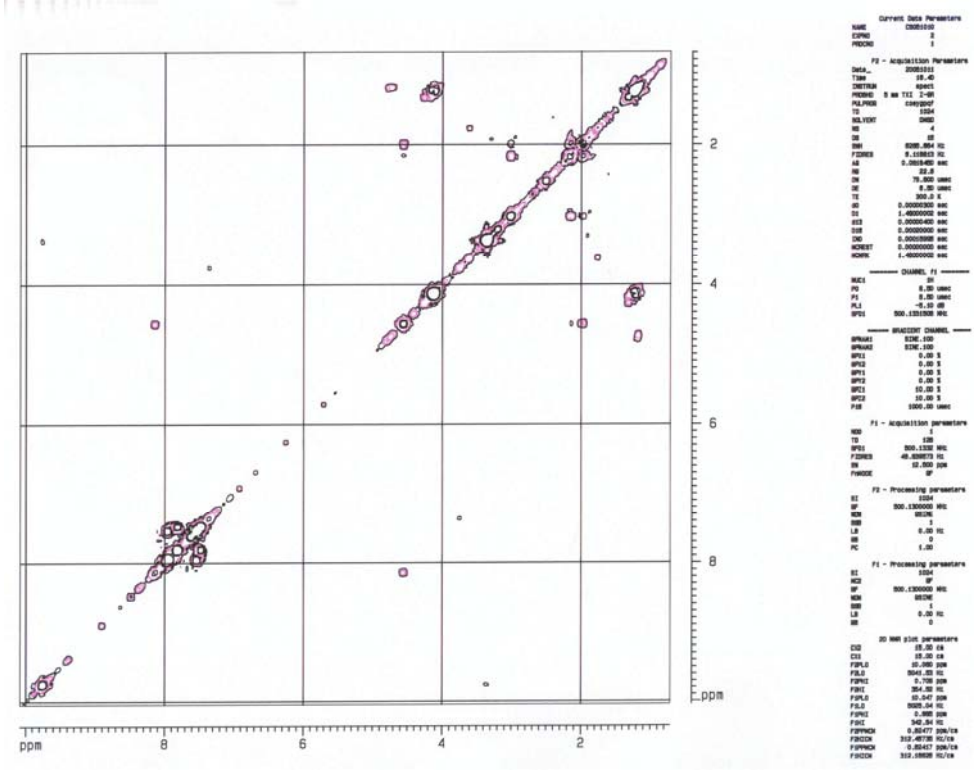


^{1}H NMR spectra

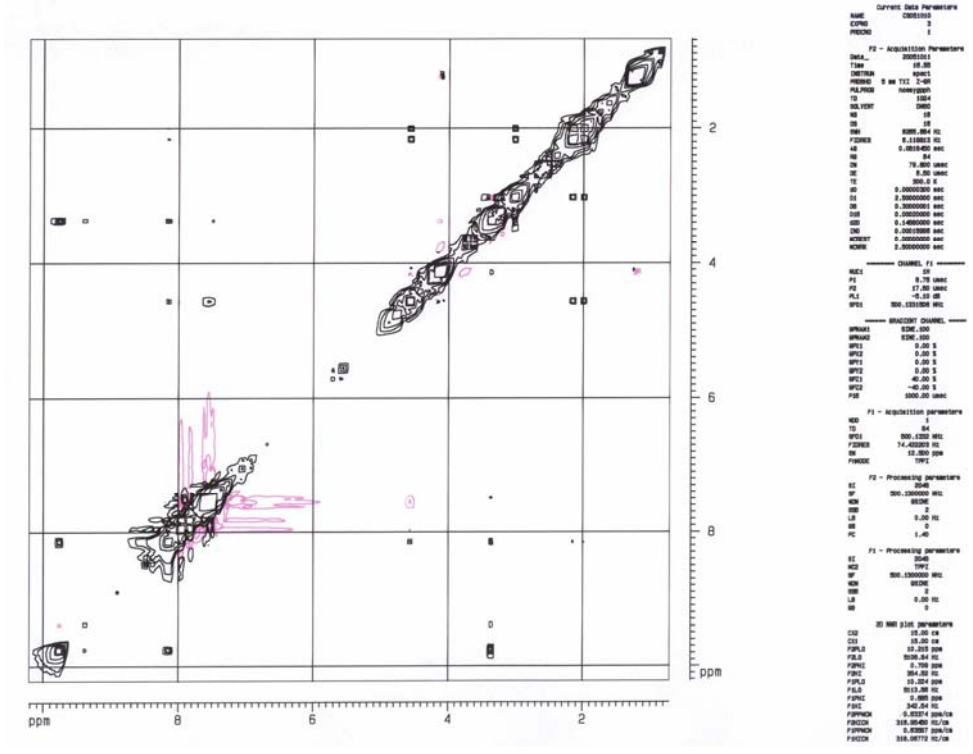
Ligand **1** in DMSO-d_6



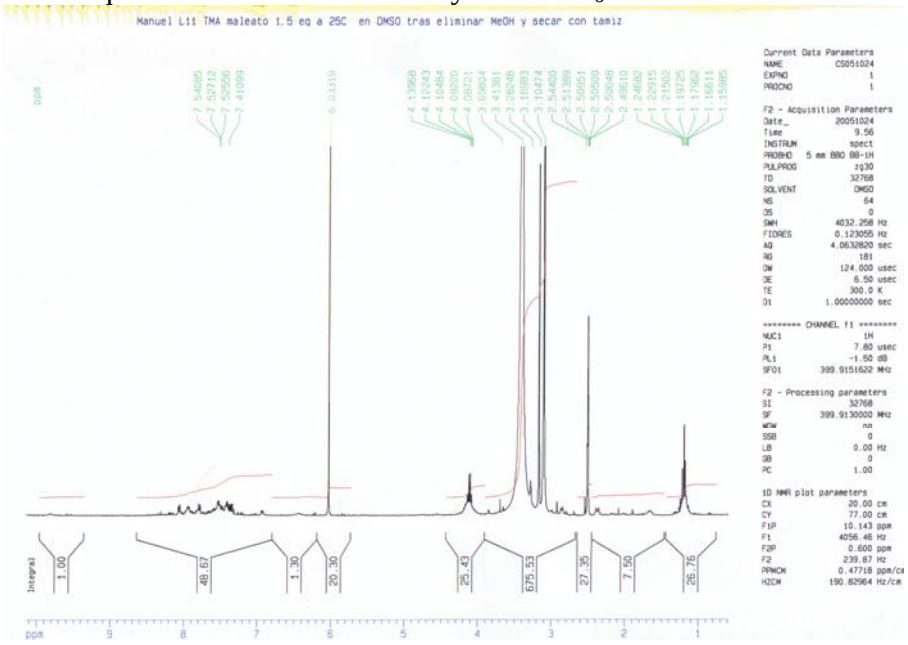
Ligand **1**-COSY



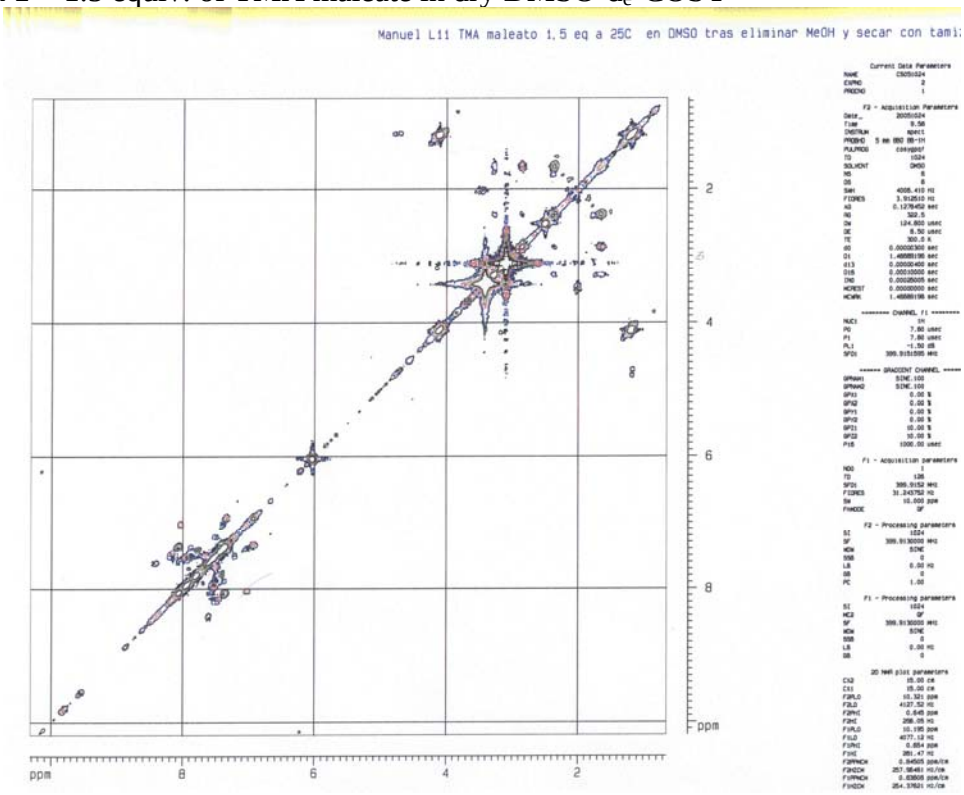
Ligand **1**-NOESY



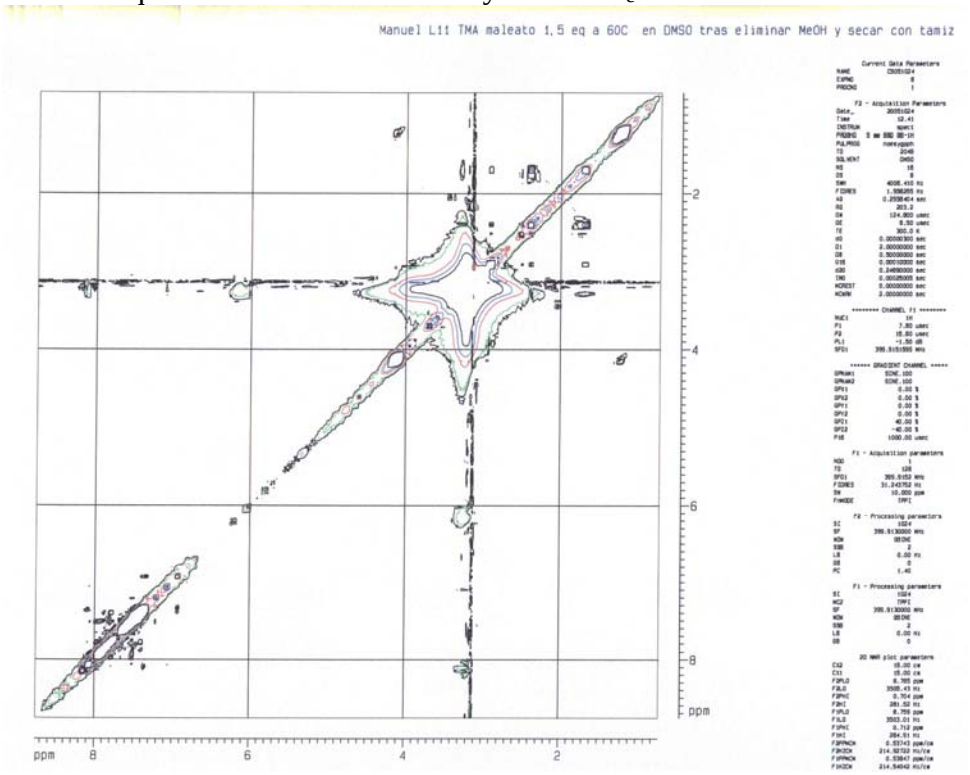
Ligand **1** + 1.5 equiv. of TMA maleate in dry DMSO-d_6



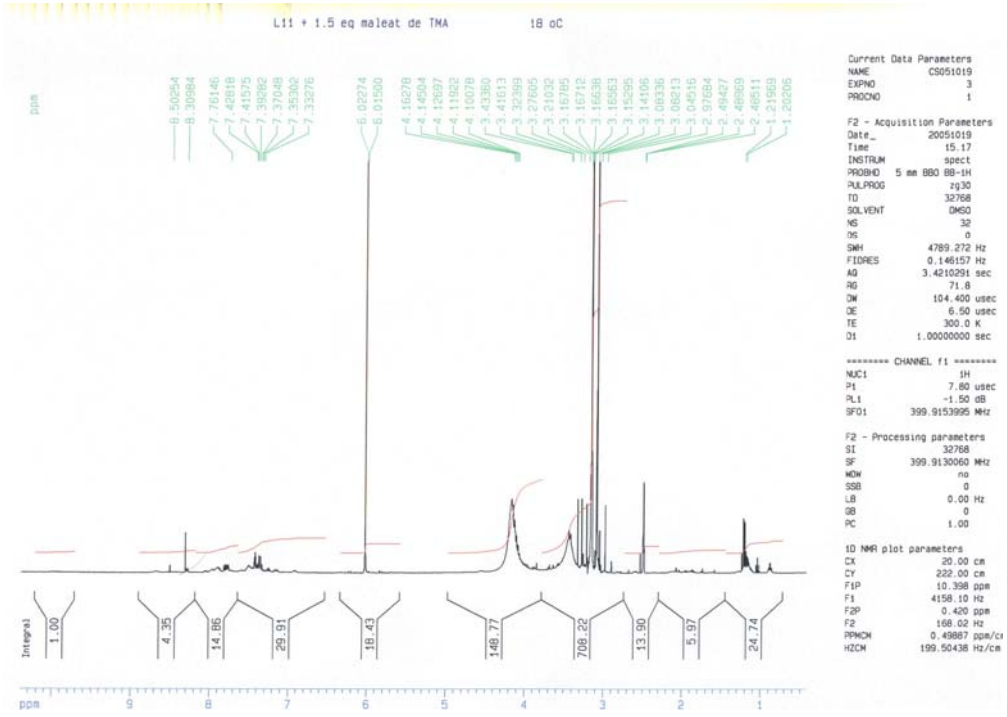
Ligand **1** + 1.5 equiv. of TMA maleate in dry DMSO-d_e-COSY



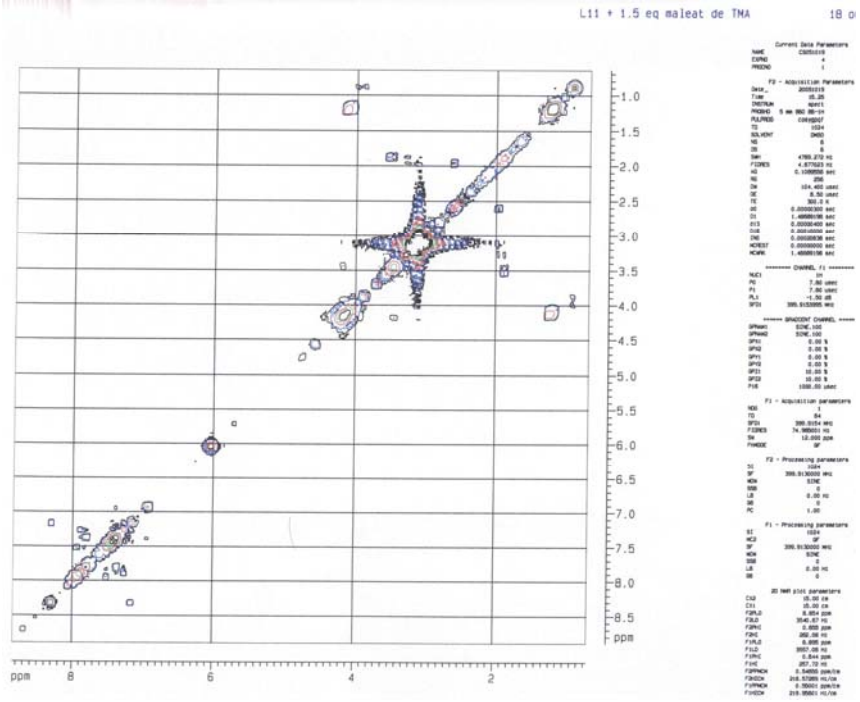
Ligand **1** + 1.5 equiv. of TMA maleate in dry DMSO-d_e-NOESY



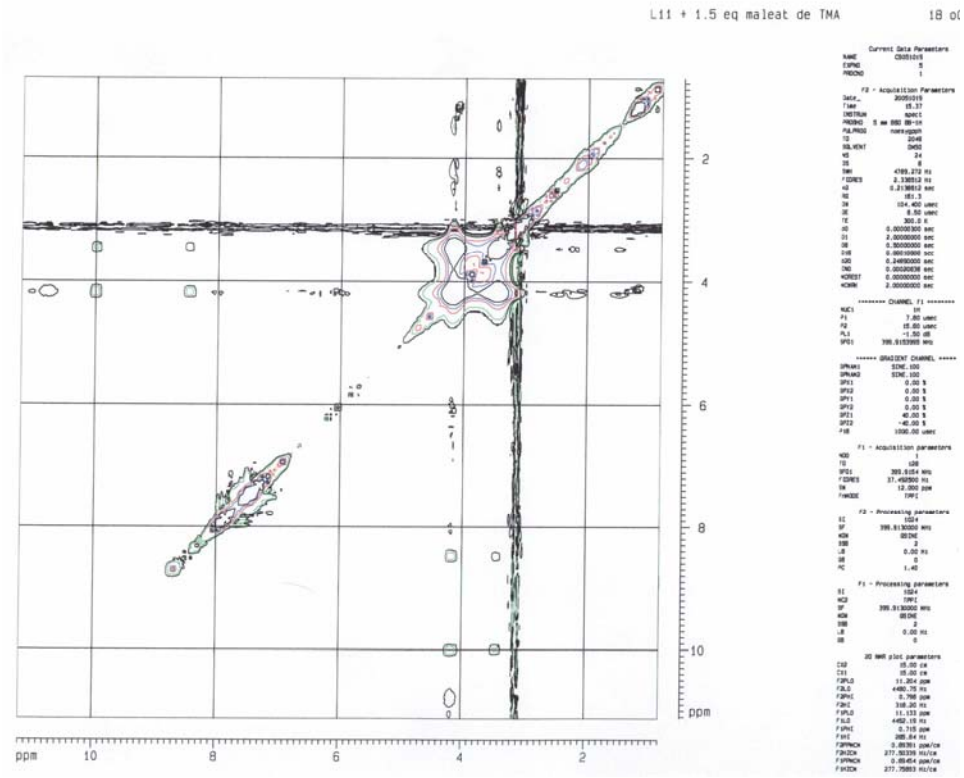
Ligand **1** + 1.5 equiv. of TMA maleate in DMSO/water



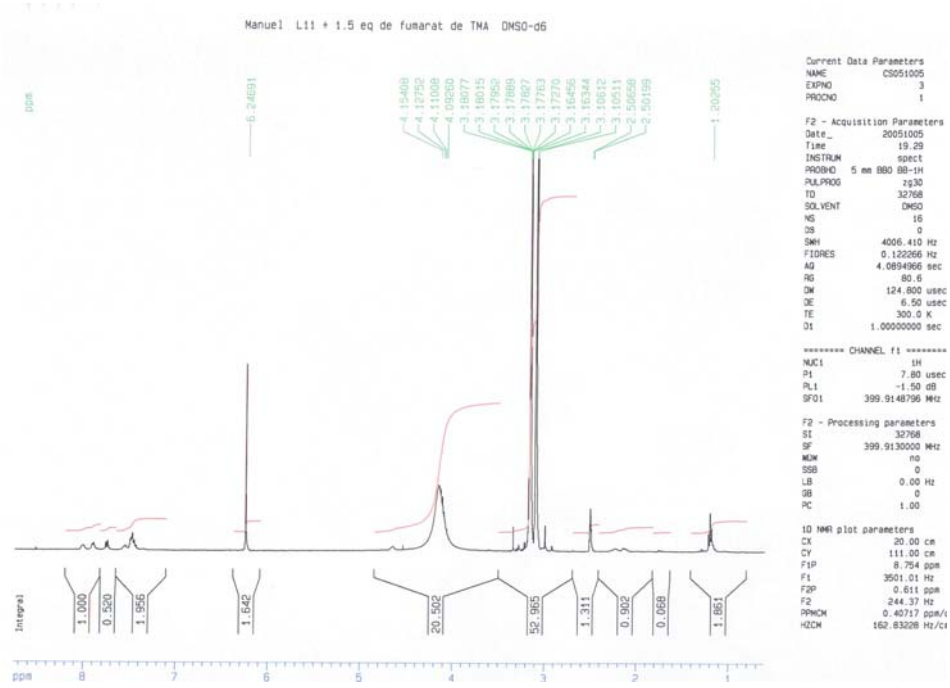
Ligand **1** + 1.5 equiv. of TMA maleate in DMSO/water-COSY



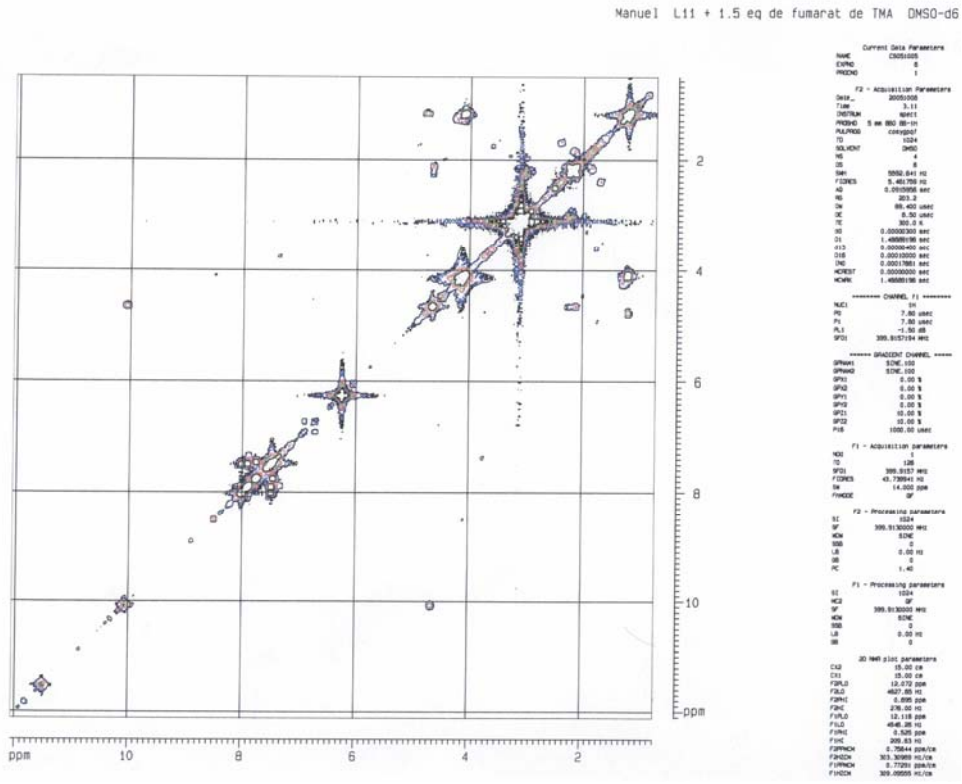
Ligand **1** + 1.5 equiv. of TMA maleate in DMSO/water-NOESY



Ligand **1** + 1.5 equiv. of TMA fumarate in DMSO



Ligand **1** + 1.5 equiv. of TMA fumarate in DMSO-COSY



Ligand **1** + 1.5 equiv. of TMA fumarate in DMSO-NOESY