10.1071/CH03021_AC

Accessory Publication: *Aust.J.Chem.*, 2003, **56(7)**, 685–689.

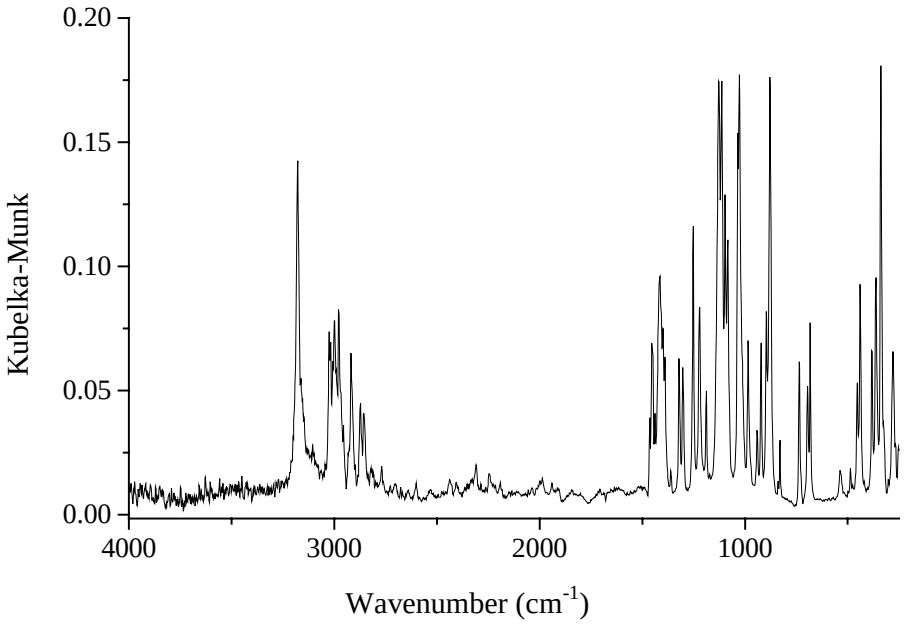


**Figure S1:** The IR spectrum of *trans*-[$PtCl_2(DMSO)C_4H_9NO$)].

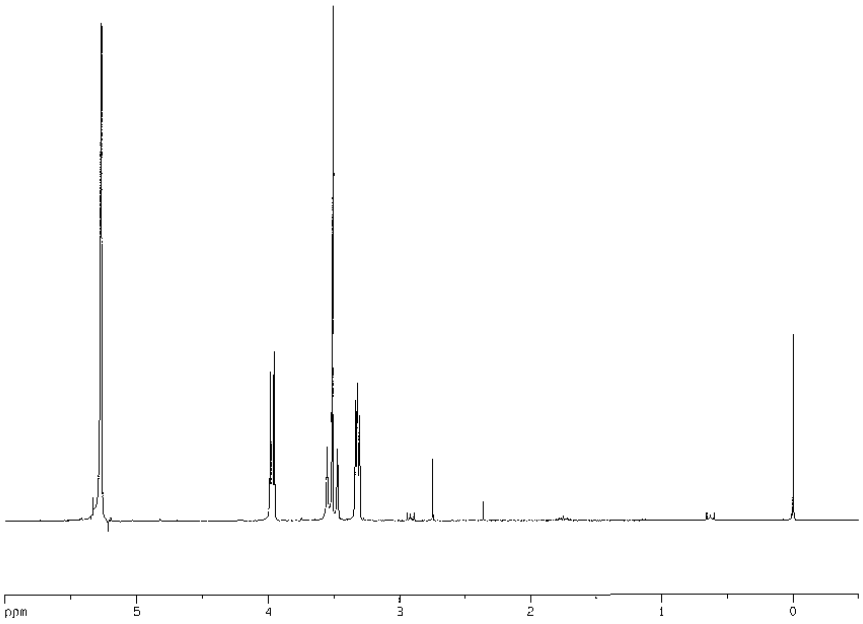


**Figure S2:** The $^{1}H$ NMR spectrum of *trans*-[$PtCl_2$(DMSO)($C_4H_9NO$)].

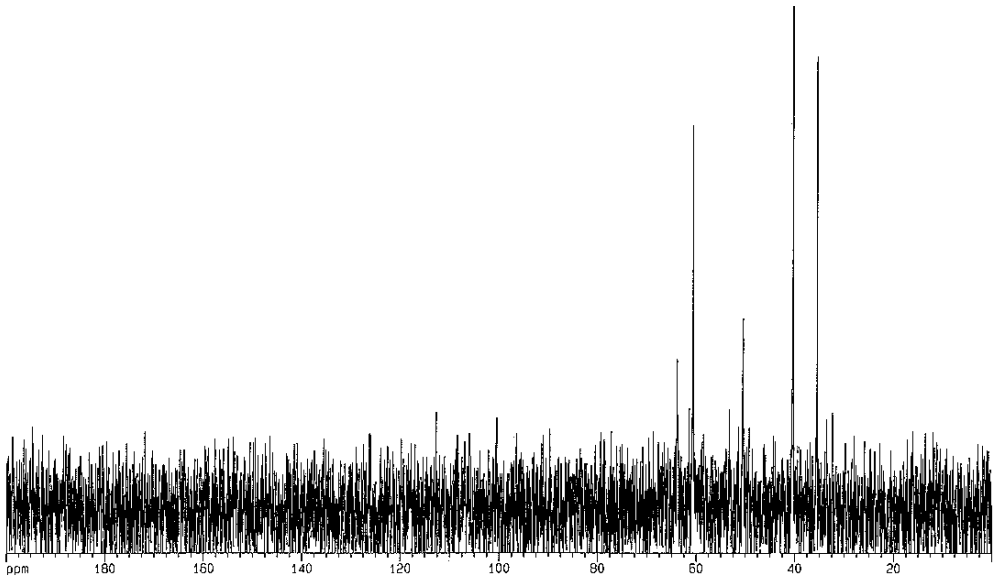


**Figure S3:** The $^{13}C\{^{1}H\}$ NMR spectrum of *trans*-[$PtCl_2$(DMSO)($C_4H_9NO$)].

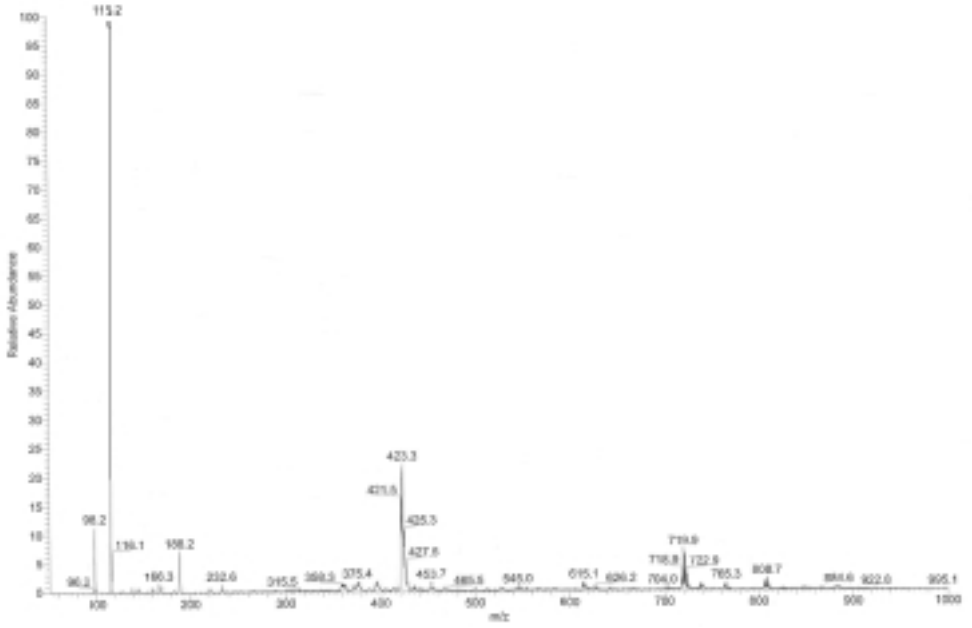


**Figure S4:** The positive full MS/ESI spectrum of *trans*-[$PtCl_2$(DMSO)($C_4H_9NO$)].

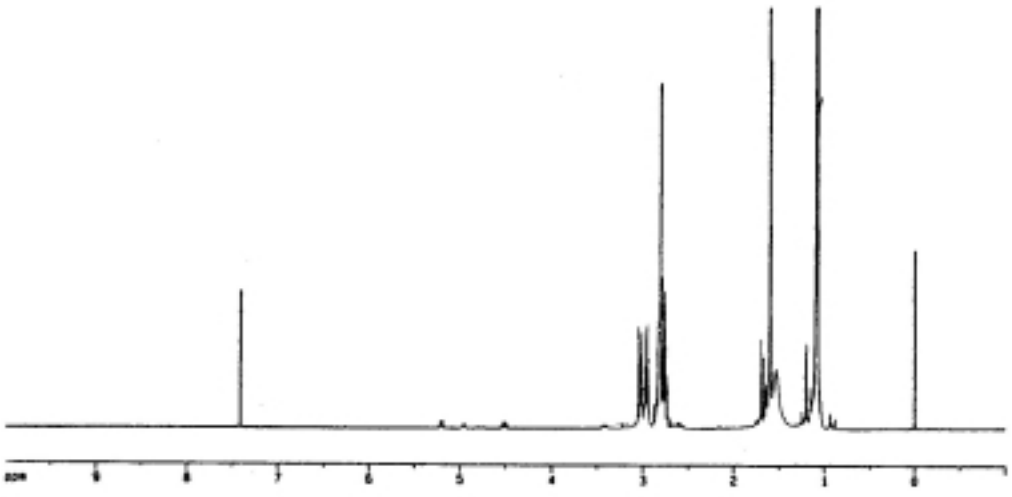

**Figure S5:** The $^1$H NMR of dmdze.

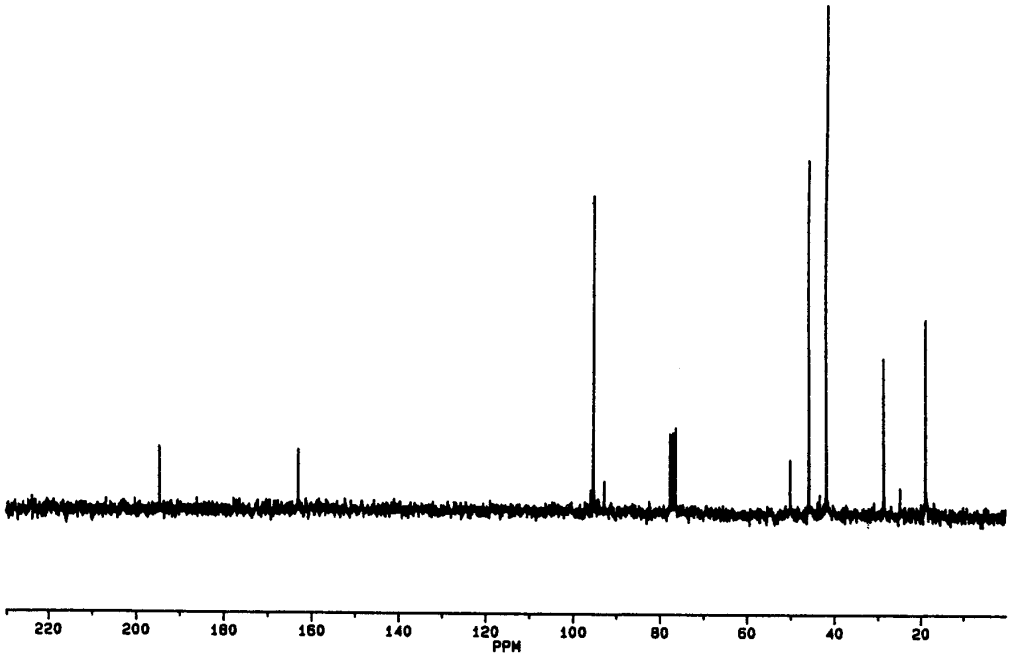


**Figure S6:** The $^{13}C\{^{1}H\}$ NMR of dmdze.

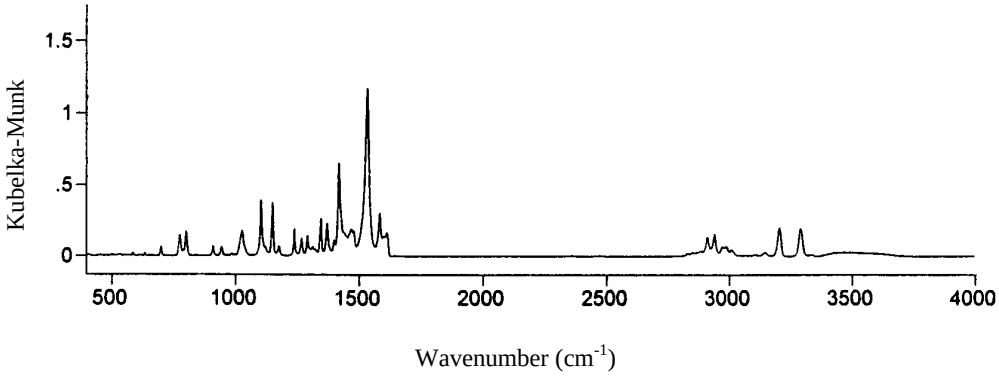


**Figure S7:** The IR spectrum of *trans*-[$PtCl_2$(DMSO)(dmdze).

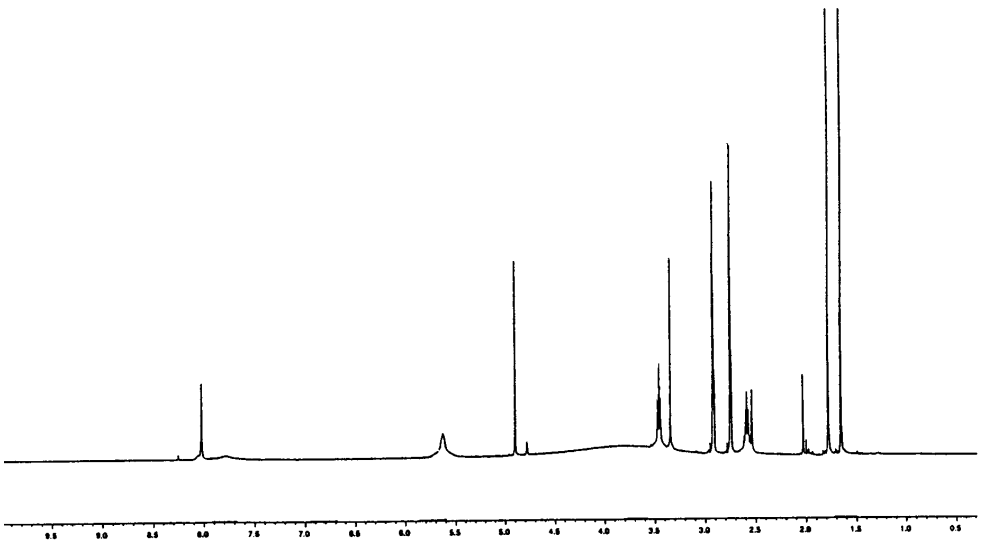

**Figure S8:** The $^{1}H$ NMR spectrum of *trans*-[$PtCl_2$(DMSO)(dmdze)].

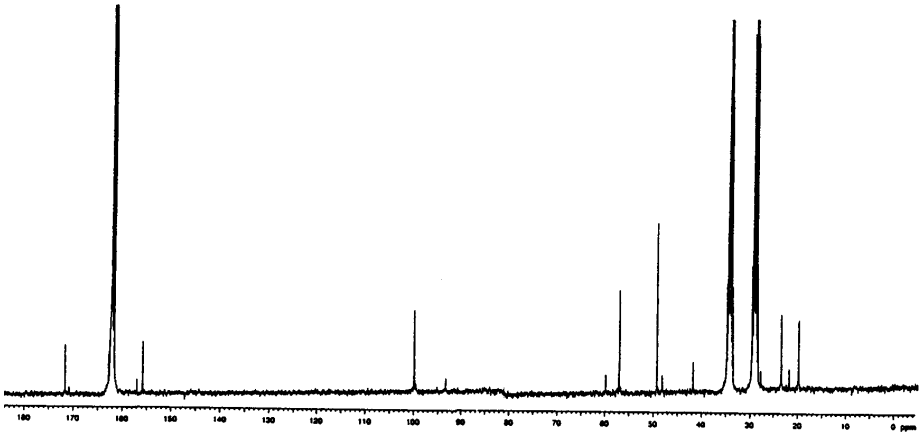

**Figure S9:** The $^{13}C\{^{1}H\}$ NMR spectrum of *trans*-[$PtCl_2$(DMSO)(dmdze)].

**Table S1:** Least squares planes in *trans*-[$PtCl_2$(DMSO)($C_4H_9NO$)].

| **Plane number 1** | |
|---|---|
| **Atoms Defining Plane** | **Distance (Å)** |
| Pt(1) | 0.0008 |
| Cl(1) | -0.0330 |
| Cl(2) | -0.0542 |
| S(1) | -0.0039 |
| N(1) | 0.1184 |
| **Mean deviation from plane** | 0.0421 Å |
| **Chi-squared** | 5057.2 |
| **Plane number 2** | |
| **Atoms Defining Plane** | **Distance (Å)** |
| C(1) | -0.0058 |
| C(2) | 0.0114 |
| C(3) | -0.0099 |
| C(4) | 0.0066 |
| **Mean deviation from plane** | 0.0084 Å |
| **Chi-squared** | 9.8 |
| **Additional Atoms** | |
| O(1) | -1.9777 |
| N(1) | -0.6421 |
| **Dihedral angles between least-squares planes** | |
| **plane** | **Plane** | **angle (°)** |
| 2 | 1 | 113.11 |

Estimated standard deviation in the last significant figure are in parentheses.

**Table S2** Least-squares planes for the product of the attempted synthesis of *trans*-[$PtCl_2$(DMSO)(dmdze)].

| **Atoms Defining Plane** | **Distance (Å)** |
|---|---|
| Pt(1) | 0.0040 |
| Cl(1) | 0.0334 |
| Cl(2) | 0.0321 |
| S(1) | -0.0323 |
| N(1) | -0.0373 |
| **Mean deviation from plane** | 0.0278 Å |
| **Chi-squared** | 0.0 |