

**Table 5.**  $^{13}\text{C}$  apparent line widths ( $\Delta^*$ ) and homogeneous line widths ( $\Delta$ ) (Hz) of M2TMP in DLPC bilayers at 243 K without and with amantadine (Amt). The apparent line widths  $\Delta^*$  ( $\pm 20$  Hz) are read off from 2D correlation spectra, while the homogeneous line widths  $\Delta$  are obtained from  $T_2$  measurements as  $\Delta = 1/\pi T_2$ . Sites of significant line width changes upon amantadine binding are bolded. Sites without entry are due to resonance overlap.

Residue	site	$\Delta^*$ , - Amt	$\Delta$ , - Amt	$\Delta^*$ , + Amt	$\Delta$ , + Amt
L26	C $\alpha$	170	100	200	110
	C $\beta$	<b>410</b>	180	<b>270</b>	200
V27	C $\alpha$	260	110	260	110
	C $\beta$	190	130	180	130
A29	C $\alpha$	160	100	140	110
	C $\beta$	240	70	240	70
A30	C $\alpha$	180	110	140	100
	C $\beta$	<b>310</b>	60	<b>160</b>	40
I33	C $\alpha$	300	110	300	110
	C $\beta$	260	140	230	110
	C $\gamma$ 1	360	130	370	130
	C $\gamma$ 2	310		280	
G34	C $\alpha$	<b>240</b>	100	<b>180</b>	120
I35	C $\alpha$	<b>250</b>	110	<b>130</b>	120
	C $\beta$	<b>240</b>	150	<b>160</b>	180
	C $\gamma$ 1	<b>290</b>		<b>170</b>	
	C $\gamma$ 2	210		210	
	C $\delta$	210	60	170	70
L38	C $\alpha$	190	100	150	100
	C $\beta$	<b>380</b>	160	<b>200</b>	150
Average		258	113	207	115