## Synthesis, Characterization and *in vitro* Antioxidant Activity of New Chiral *N*-boc Organotellurium Compounds, (CH<sub>3</sub>)<sub>3</sub>OC(O)NHCH(R)C(O)NHCH<sub>2</sub>-CH<sub>2</sub>Te-C<sub>6</sub>H<sub>4</sub>-4-OCH<sub>3</sub>, Containing Carbamate and Peptide Groups

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No.	Position (cm <sup>-1</sup> )								
1	3338	6	1686	11	1365	16	1065	21	511
2	3306	7	1644	12	1320	17	1024	22	463
3	2976	8	1524	13	1280	18	810	23	446
4	2926	9	1488	14	1240	19	638	24	410
5	2849	10	1449	15	1162	20	585	24	419

Figure S1. FTIR spectrum (KBr) of compound 4a.



Figure S2. FTIR spectrum (KBr) of compound 4b.



Position (cm <sup>-1</sup> )	No.	Position (cm <sup>-+</sup> )	No.	Position (cm <sup>-+</sup> )	No.	Position (cm <sup>*</sup> )
3314	6	2876	11	1486	16	640
3085	7	2853	12	1281	17	586
3061	8	1679	13	1243	18	512
2962	9	1644	14	1164	19	447
2930	10	1518	15	1019	20	420
	Position (cm <sup>-+</sup> ) 3314 3085 3061 2962 2930	Position (cm <sup>*</sup> ) No.   3314 6   3085 7   3061 8   2962 9   2930 10	Position (cm <sup>-1</sup> ) No. Position (cm <sup>-1</sup> )   3314 6 2876   3085 7 2853   3061 8 1679   2962 9 1644   2930 10 1518	Position (cm <sup>-1</sup> ) No. Position (cm <sup>-1</sup> ) No.   3314 6 2876 11   3085 7 2853 12   3061 8 1679 13   2962 9 1644 14   2930 10 1518 15	Position (cm <sup>-1</sup> ) No. Position (cm <sup>-1</sup> ) No. Position (cm <sup>-1</sup> )   3314 6 2876 11 1486   3085 7 2853 12 1281   3061 8 1679 13 1243   2962 9 1644 14 1164   2930 10 1518 15 1019	Position (cm <sup>-1</sup> ) No. Position (cm <sup>-1</sup> ) No. Position (cm <sup>-1</sup> ) No.   3314 6 2876 11 1486 16   3085 7 2853 12 1281 17   3061 8 1679 13 1243 18   2962 9 1644 14 1164 19   2930 10 1518 15 1019 20

Figure S3. FTIR spectrum (KBr) of compound 4c.



Figure S4. FTIR spectrum (KBr) of compound 4d.



Figure S5. FTIR spectrum (KBr) of compound 4e.



1	3319	6	1487	12	820
2	2927	7	1438	13	641
3	2850	8	1364	14	587
4	1646	9	1242	15	515
F	1510	10	1158	16	463
S	1513	11	1023	17	413

Figure S6. FTIR spectrum (KBr) of compound 4f.

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Figure S7. FTIR spectrum (KBr) of compound 4g.



Figure S8. <sup>1</sup>H NMR spectrum (399.65 MHz, DMSO-*d*<sub>6</sub>) of compound 4a.



Figure S9. <sup>1</sup>H NMR spectrum (399.65 MHz, DMSO-*d*<sub>6</sub>) of compound 4b.



Figure S10. <sup>1</sup>H NMR spectrum (400.23 MHz, DMSO-*d*<sub>6</sub>) of compound 4c.



Figure S11. <sup>1</sup>H NMR spectrum (399.65 MHz, DMSO-*d*<sub>6</sub>) of compound 4d.



Figure S12. <sup>1</sup>H NMR spectrum (400.23 MHz, DMSO-*d*<sub>6</sub>) of compound 4e, expansion of aromatic region (inset).



Figure S13. <sup>1</sup>H NMR spectrum (400.23 MHz, DMSO-*d*<sub>6</sub>) of compound 4f.



Figure S14. <sup>1</sup>H NMR spectrum (400.23 MHz, DMSO-*d*<sub>6</sub>) of compound 4g.



Figure S15. <sup>13</sup>C NMR spectrum (100.64 MHz, DMSO-*d*<sub>6</sub>) of compound 4a.





Figure S17. <sup>13</sup>C NMR spectrum (100.64 MHz, DMSO- $d_6$ ) of compound 4c.



Figure S19. <sup>13</sup>C NMR spectrum (100.64 MHz, DMSO-*d*<sub>6</sub>) of compound 4e.

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Figure S20. <sup>13</sup>C NMR spectrum (100.64 MHz, DMSO-*d*<sub>6</sub>) of compound 4f.



Figure S21. <sup>13</sup>C NMR spectrum (100.64 MHz, DMSO-*d*<sub>6</sub>) of compound 4g.



Figure S22. Mass spectrum (+ pESI) of compound 4a.



Figure S23. Mass spectrum (+ pESI) of compound 4b.



Figure S24. Mass spectrum (+ pESI) of compound 4g.