

Supplementary Material

1,5,6-Trimethoxy-2,7-dihydroxyphenanthrene from *Dendrobium officinale* Exhibited Antitumor Activities for HeLa Cells

Chong Liang ¹, Chonglun Zhang ², Yinlin Zhuo ¹, Baocheng Gong ¹, Weizhuo Xu ^{3,*} and
Guogang Zhang ^{1,*}

¹ School of Traditional Chinese Materia Medica, Shenyang Pharmaceutical University, 103 Wenhua Road, Shenhe District, Shenyang 110016, China; liangchong7628@163.com (C.L.); 18750097073@163.com (Y.Z.); gkcmu_1h@163.com (B.G.)

² School of Life Sciences and Biopharmaceuticals, Shenyang Pharmaceutical University, 103 Wenhua Road, Shenhe District, Shenyang 110016, China; zhangcl0630@163.com

³ School of Functional Food and Wine, Shenyang Pharmaceutical University, 103 Wenhua Road, Shenhe District, Shenyang 110016, China

* Correspondence: weizhuo.xu@syphu.edu.cn (W.X.); zggth@163.com (G.Z.); Tel./Fax: +86-024-43520301 (W.X.); +86-024-43520735 (G.Z.)

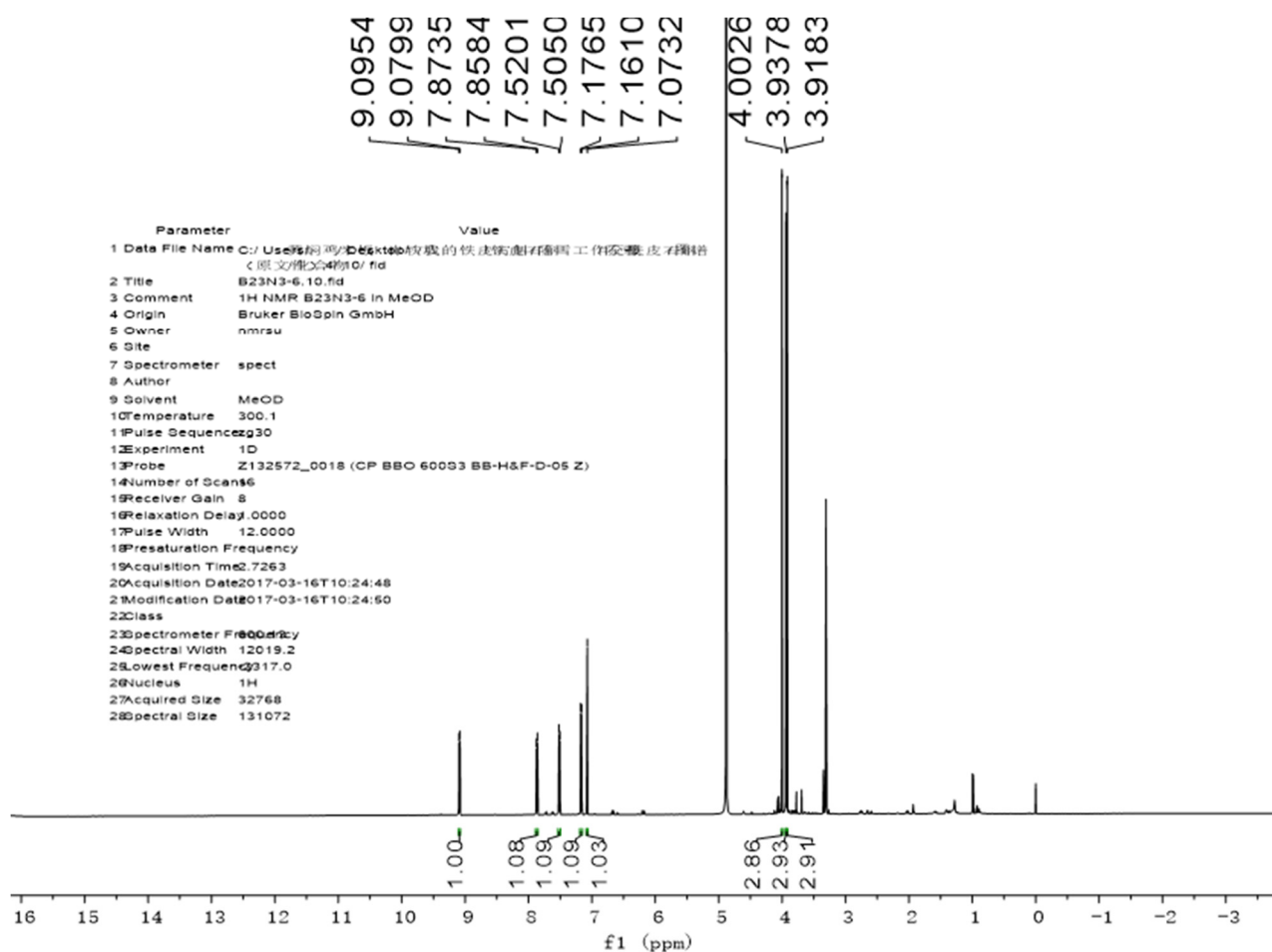


Figure S1. ¹H NMR spectrum for compound 5.

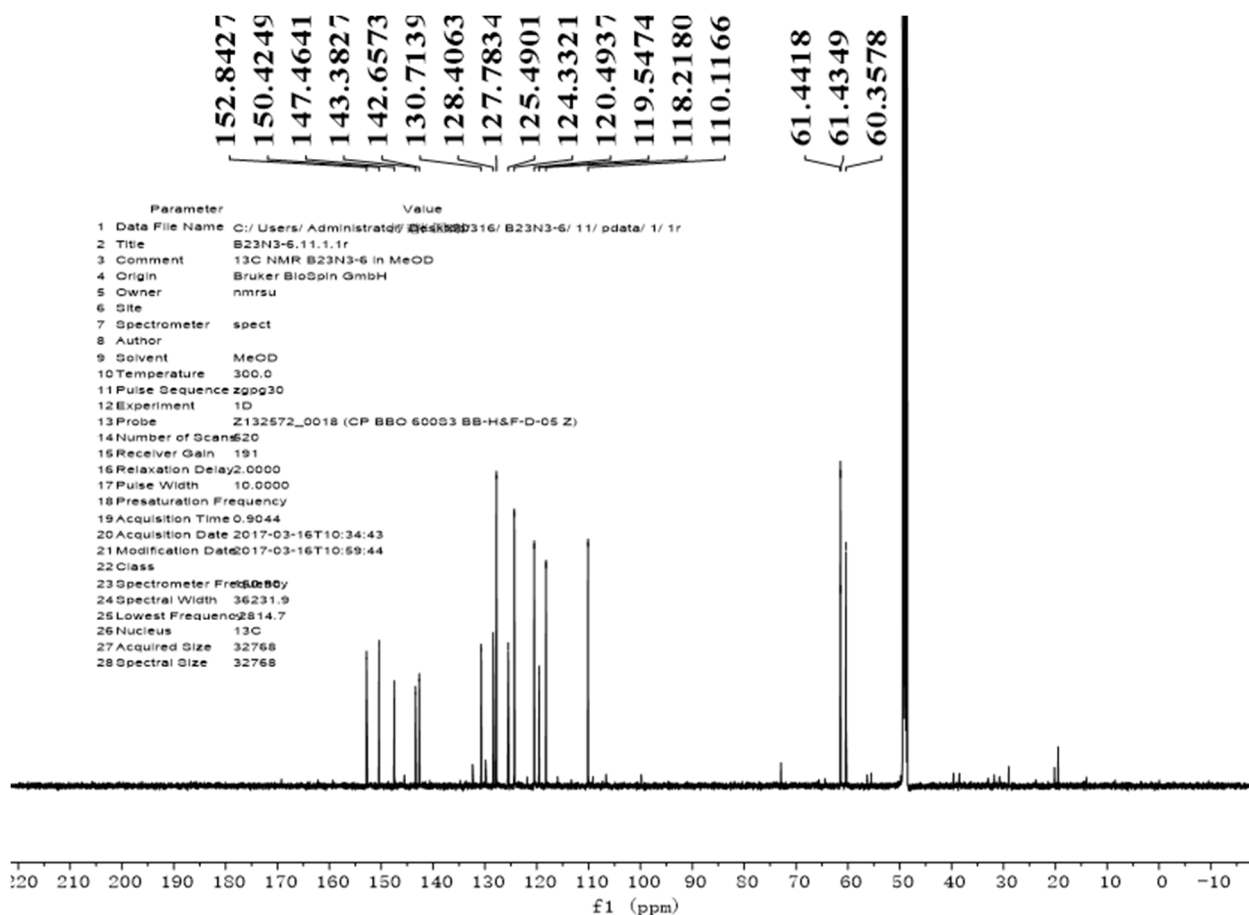


Figure S2. ^{13}C NMR spectrum for compound 5.

the first
time

DMSO	3.125 μM	6.25 μM	12.5 μM	25 μM	50 μM	100 μM
0.577	0.161	0.148	0.114	0.116	0.111	0.126
0.534	0.171	0.144	0.119	0.115	0.109	0.128
0.498	0.163	0.131	0.113	0.116	0.109	0.134

the second
time

DMSO	3.125 μM	6.25 μM	12.5 μM	25 μM	50 μM	100 μM
0.543	0.303	0.189	0.152	0.123	0.1	0.105
0.714	0.352	0.226	0.171	0.129	0.11	0.109
0.599	0.303	0.213	0.157	0.135	0.097	0.111

the third
time

DMSO	3.125 μM	6.25 μM	12.5 μM	25 μM	50 μM	100 μM
0.647	0.318	0.206	0.161	0.12	0.102	0.115
0.636	0.308	0.185	0.123	0.114	0.097	0.105
0.618	0.243	0.147	0.12	0.133	0.099	0.114

Figure S3. OD value of compound 5 at 490nm.

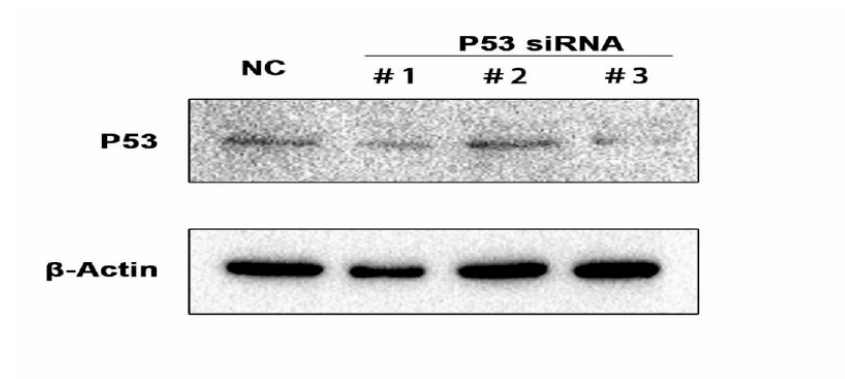


Figure S4. Expression of p53 after siRNA treatment