

### **Tables Caption**

**Table S1.** Recoveries of eight analytes in CAROL

**Table S2.** Recoveries of the extract of nucleosides

**Table S3.** Recoveries of the extract of ganoderic acid

**Table S1.** Recoveries of eight analytes in CAROL

Analytes	Original (µg)	Spiked (µg)	Detected (µg)	Recovery (%)	Mean recovery (%)	RSD % (n=6)
Adenine	1.21	0.90	2.04	91.73	92.41	1.31
	1.12	1.50	2.53	93.69		
	1.07	2.10	2.99	91.79		
Uridine	7.72	5.00	12.26	90.94	90.05	2.49
	7.33	8.40	14.78	88.69		
	7.44	10.10	16.58	90.53		
2'-Deoxyuridine	0.09	0.05	0.13	95.32	92.36	2.93
	0.09	0.08	0.16	90.37		
	0.08	0.11	0.18	91.40		
2'-Deoxyadeno- sine	0.0111	0.0060	0.0168	94.83	96.86	3.08
	0.0117	0.0100	0.0214	96.63		
	0.0102	0.0140	0.0241	99.13		
Guanosine	6.57	4.20	10.50	93.57	90.09	3.31
	6.61	7.00	12.84	89.00		
	6.30	9.80	14.89	87.71		
Lucidenic acid A	2.10	1.38	3.32	88.03	85.07	3.04
	2.00	2.30	3.92	83.14		
	1.77	3.22	4.48	84.03		
Ganoderic acid F	19.29	13.80	33.11	100.16	97.50	2.41
	18.67	23.00	40.72	95.90		
	18.13	32.20	49.19	96.46		
Ganoderic acid A	39.14	21.00	57.41	86.96	86.42	1.72
	36.79	35.00	67.48	87.66		
	34.36	49.00	75.83	84.63		

**Table S2.** Recoveries of the extract of nucleosides

Analytes	<i>A. roxburghii</i> form Mingxi					<i>G. lucidum</i> form Longyang				
	Original (μg)	Spiked (μg)	Detected (μg)	Mean recovery (%)	RSD % (n=3)	Original (μg)	Spiked (μg)	Detected (μg)	Mean recovery (%)	RSD % (n=3)
Adenine	0.01	0.25	0.23	89.37	0.30	0.09	0.25	0.30	84.25	0.97
Uridine	6.42	10.00	14.68	82.65	0.52	3.67	5.00	8.61	90.38	1.00
2'-Deoxyuridine	0.07	0.05	0.12	86.08	0.74	0.02	0.05	0.06	84.49	0.93
2'-Deoxyadenosine	0.92	1.00	1.90	97.61	1.10	0.02	0.05	0.07	94.27	0.77
Guanosine	2.31	2.50	4.40	83.77	0.78	1.68	2.50	3.66	84.21	0.31

**Table S3.** Recoveries of the extract of ganoderic acid

Analytes	water extract of <i>G. lucidum</i>					ethanol extract of <i>G. lucidum</i>				
	Original (μg)	Spiked (μg)	Detected (μg)	Mean recovery (%)	RSD % (n=3)	Original (μg)	Spiked (μg)	Detected (μg)	Mean recovery (%)	RSD % (n=3)
Lucidenic acid A	1.30	3.20	3.92	81.86	0.73	1.29	3.20	4.01	85.06	0.36
Ganoderic acid F	8.54	9.60	16.75	85.54	0.22	8.15	9.60	16.21	84.02	0.78
Ganoderic acid A	26.22	16.00	40.47	89.08	0.90	26.95	16.00	40.56	85.08	0.48