

Table 1 Identification of absorbed bioactive components in serum after oral administration of XXT by HPLC-DAD and HPLC-Q-TOF/MS.

No.	t <sub>R</sub> /(min)	Formula	Type	m/z	MS/MS	Identification
1	7.812	C <sub>26</sub> H <sub>28</sub> O <sub>13</sub>	[M-H] <sup>-</sup>	547.1453	415.1032, 253.0505, 225.0550	6-C-arabinosyl-8-C-glucosyl-chrysin
2	8.151	C <sub>26</sub> H <sub>28</sub> O <sub>13</sub>	[M-H] <sup>-</sup>	547.1451	385.0925, 253.0501, 225.0554	6-C-glucosyl-8-C-arabinosyl-chrysin
3	8.212	C <sub>18</sub> H <sub>18</sub> O <sub>11</sub>	[M-H] <sup>-</sup>	409.0772	365.0869, 233.0452, 189.0554, 175.0241, 149.0452, 131.0346	2-methyl-5-carboxymethyl-7-hydroxy chromoglucuronide
4	8.422	C <sub>22</sub> H <sub>22</sub> O <sub>11</sub>	[M-H] <sup>-</sup>	461.1089	331.0662, 299.0555, 169.0135	2-O-cinnamoyl-glucogallin
5	8.591	C <sub>21</sub> H <sub>18</sub> O <sub>11</sub>	[M-H] <sup>-</sup>	445.0775	269.0454	baicalin <sup>a</sup>
6	10.133	C <sub>22</sub> H <sub>20</sub> O <sub>11</sub>	[M-H] <sup>-</sup>	459.0930	283.0603, 269.0453, 241.0495, 197.0601	oroxyloside
7	10.543	C <sub>20</sub> H <sub>20</sub> NO <sub>4</sub>	M <sup>+</sup>	338.1389	322.1076, 308.0925, 294.1128, 280.0971	jatrorrhizine <sup>a</sup>
8	10.822	C <sub>20</sub> H <sub>18</sub> NO <sub>4</sub>	M <sup>+</sup>	336.1227	321.1005, 320.0920, 306.0763, 292.0977, 278.0821	epiberberine <sup>a</sup>
9	10.982	C <sub>19</sub> H <sub>14</sub> NO <sub>4</sub>	M <sup>+</sup>	320.0912	318.0763, 292.0971	coptisine <sup>a</sup>
10	11.161	C <sub>22</sub> H <sub>20</sub> O <sub>11</sub>	[M-H] <sup>-</sup>	459.0928	283.0609, 269.0449, 241.0498, 197.0605	wogonoside <sup>a</sup>
11	13.952	C <sub>21</sub> H <sub>22</sub> NO <sub>4</sub>	M <sup>+</sup>	352.1546	337.1317, 336.1239, 322.1076, 308.1285, 293.1055	palmatine <sup>a</sup>
12	14.442	C <sub>20</sub> H <sub>18</sub> NO <sub>4</sub>	M <sup>+</sup>	336.1228	321.1006, 320.0925, 306.0771, 292.0976, 278.0822	berberine <sup>a</sup>
13	15.022	C <sub>21</sub> H <sub>20</sub> O <sub>10</sub>	[M-H] <sup>-</sup>	431.0975	269.0448, 241.0502, 225.0551	emodin glucoside
14	15.951	C <sub>14</sub> H <sub>12</sub> O <sub>3</sub>	[M-H] <sup>-</sup>	227.0714	185.0606, 143.0496, 117.0342	resveratrol
15	18.713	C <sub>15</sub> H <sub>8</sub> O <sub>6</sub>	[M-H] <sup>-</sup>	283.0248	257.0452, 239.0344	rhein <sup>a</sup>
16	21.013	C <sub>15</sub> H <sub>10</sub> O <sub>5</sub>	[M-H] <sup>-</sup>	269.0451	251.0346,	baicalein <sup>a</sup>

					241.0403, 223.0391, 197.0605	
17	21.824	C <sub>15</sub> H <sub>10</sub> O <sub>5</sub>	[M-H] <sup>-</sup>	269.0457	240.0425, 225.0555, 223.0393	aloemodin <sup>a</sup>
18	21.962	C <sub>16</sub> H <sub>12</sub> O <sub>5</sub>	[M-H] <sup>-</sup>	283.0609	268.0375, 240.0421, 239.0341, 224.0476, 223.0392, 212.0473	wogonin <sup>a</sup>
19	22.093	C <sub>16</sub> H <sub>12</sub> O <sub>5</sub>	[M-H] <sup>-</sup>	283.0614	268.0375, 265.0503, 255.0659	oroxylin A
20	22.752	C <sub>15</sub> H <sub>10</sub> O <sub>5</sub>	[M-H] <sup>-</sup>	269.0452	241.0505, 225.0554	emodin <sup>a</sup>
21	23.882	C <sub>15</sub> H <sub>10</sub> O <sub>4</sub>	[M-H] <sup>-</sup>	253.0506	239.0342, 225.0551	chrysophanol <sup>a</sup>

<sup>a</sup> Compared with authentic compounds.