

**S1 Table. Compounds identified by HPLC-DAD-MS in HE extract of the leaves of *Kalanchoe brasiliensis* species.**

Peak	TR (min)	MS( <i>m/z</i> )*	MS <sup>2</sup> ( <i>m/z</i> )*	MS <sup>3</sup> ( <i>m/z</i> )*	UV max (nm)	Compound
1	15.3	[M+H] <sup>+</sup> 787(3) [MH-(deoxy-hexose)] <sup>+</sup> 641(17) [MH-(2deoxy-hexoses)] 495(2) [aglicon] <sup>+</sup> 333(4)	787→641(32); 495(78); 333(100).	333→ 318(100); 301(100); 290(38); 272(32); 245(15); 216(6,3); 186(12); 169(79); 142(23); 111(4,8).	268, 340.	Patuletin- <i>O</i> -hexoside- di- <i>O</i> -deoxy-hexoside
2	18.3	[M+H] <sup>+</sup> 787(15) [MH-(deoxy-hexose)] <sup>+</sup> 641(27) [MH-(deoxy-hexose)] <sup>+</sup> 495(9) [aglicon] <sup>+</sup> 333(1)	787→641(30); 605(1,2); 495(33); 479(9); 333(100); 318(5).	333→ 318(100); 301(100); 290(38); 272(32); 245(15); 216(6,3); 186(12); 169(79); 142(23); 111(4,8).	268, 350.	Patuletin- <i>O</i> -hexoside- di- <i>O</i> -deoxy-hexoside
3	19.1	[M+H] <sup>+</sup> 771(6.8) [MH-(deoxy-hexose)] <sup>+</sup> 625(44.6) [MH-(2deoxy-hexoses)] 479(4,22) [aglicon] <sup>+</sup> 317(3.5)	771→625(49.6); 479(100); 317(55.6); 302(9.8).	317→302(100); 285(100); 274(43.6); 273(50.4); 257(24.9); 256(48); 228(71.7); 214(21.9); 203(20); 168(41.2); 142(28); 134(31); 107(18.5).	268, 314.	Eupafolin- <i>O</i> - hexoside-di- <i>O</i> -deoxy- hexoside
4	19.7	[M+H] <sup>+</sup> 641(35,7) [MH-(hexose)] <sup>+</sup> 479(3) [aglicon] <sup>+</sup> 333(0.2)	641→ 495(6,6); 479(78); 333(100); 318(3.7).	333→318(100); 301(100); 290(38); 272(32); 245(15); 216(6.3); 186(12); 169(79); 142(23); 111(4.8).	268, 359.	Patuletin- <i>O</i> -hexoside- <i>O</i> -deoxy-hexoside
5	20.3	[M+H] <sup>+</sup> 787(100) [MH-(deoxy-hexose)] <sup>+</sup> 641(23.5) [MH-(2deoxy-hexoses)] 495(11,7) [aglicon] <sup>+</sup> 333(2.1)	787→641(83.8); 495(100); 333(87.4).	333→ 318(100); 301(100); 169(51.85).	268, 350.	Patuletin- <i>O</i> -hexoside- di- <i>O</i> -deoxy-hexoside
6 <sup>#</sup>	23.3	[M+H] <sup>+</sup> 625(92) [MH-(hexose)] <sup>+</sup> 463(23.5)	625→463(84); 317(100).	317→ 302(100); 285(100); 274(26.5); 266(13.8); 257(13); 255(24.6); 246(26); 232(30.4); 228(100); 218(12); 107(29).	268, 340.	Eupafolin- <i>O</i> - hexoside- <i>O</i> -deoxy- hexoside
7 <sup>#</sup>	24.7	[M+H] <sup>+</sup> 625(73) [MH-(deoxy-hexose)] <sup>+</sup> 479(32) [MH-(2deoxy-hexose)] 333(9.5)	625→ 479(57.5); 333(31.6); 317(100)	333→318(100); 301(100); 290(38); 272(32); 245(15);	259, 354.	Patuletin-di- <i>O</i> -deoxy- hexoside

				216(6,3); 186(12); 169(79); 142(23); 111(4.8).		
<b>8<sup>#</sup></b>	25.4	[M+H] <sup>+</sup> 787(2) [MH-(deoxy-hexose)] <sup>+</sup> 641(100) [MH-(2deoxy-hexose)] <sup>+</sup> 495(19,2) [aglicon] <sup>+</sup> 333(3)	787→ 641(66.8); 495(100); 479(19.9); 333(74.2).	333→318(100); 301(90); 290(41.5); 272(71.4); 263(13.5); 244(38.0); 227(15); 169(100); 168(91.8); 142(33.5).	268, 350.	Patuletin- <i>O</i> -hexoside- di- <i>O</i> -deoxy-hexoside
<b>9</b>	26.1	[M+H] <sup>+</sup> 611(100) [MH- (deoxy-hexose)] <sup>+</sup> 465(18.6) [aglicon] <sup>+</sup> 303(3)	611→465(58.7); 449(32); 303(100).	303→ 285(49.5); 261(1.3); 257(100); 247(26.6); 229(43); 165(45); 153(8); 137(4.5), 121(6.2); 111(4.8).	268, 340.	Quercetin- <i>O</i> - hexoside- <i>O</i> -deoxy- hexoside
<b>10</b>	27.4	[M+H] <sup>+</sup> 829(100) [MH-(deoxy-hexose)] <sup>+</sup> 683(23.5) [MH-(acetyl-deoxy-hexose)] <sup>+</sup> 641(12) [MH-346] <sup>+</sup> 483(69.1) [MH-362] <sup>+</sup> 467(6.7)	829→811(11.1); 683(30.5); 667(4.6) 641(43.4); 495(100); 479(12.6); 333(85).	333→ 318(100); 301(100); 290(38); 272(32); 245(15); 216(6.3); 186(12); 169(79); 142(23); 111(4.8).	268, 350.	Patuletin- <i>O</i> -hexoside- <i>O</i> -acetyl- deoxy- hexoside- <i>O</i> -deoxy- hexoside
<b>11<sup>#</sup></b>	29.6	[M+H] <sup>+</sup> 609(100) [MH-(deoxy-hexose)] <sup>+</sup> 463(26) [aglicon] <sup>+</sup> 317(7.3) [MH-306] <sup>+</sup> 303(17.9)	609→ 463(100); 317(69.5).	317→ 302(100); 285(100); 274(35); 273(39,7); 266(13.8); 257(13); 255(24.6); 246(26); 232(30.4); 228(100); 218(12); 107(29).	268, 350.	Eupafolin-di- <i>O</i> - deoxy-hexoside
<b>12<sup>#</sup></b>	31.7	[M+H] <sup>+</sup> 829(38,2) [MH-(deoxy-hexose)] <sup>+</sup> 683(11.6)	829→683(49); 641(35.7); 495(100); 333(82.3).	333→ 318(100); 301(100); 290(38); 272(32); 245(15); 216(6.3); 186(12); 169(79); 142(23); 111(4.8).	312.	Patuletin- <i>O</i> -hexoside- <i>O</i> -acetyl- deoxy- hexoside- <i>O</i> -deoxy- hexoside
<b>13<sup>#</sup></b>	-	-	-	-	-	Compound not didentifie
<b>14<sup>#</sup></b>	35.1	[2M+Na] <sup>+</sup> 979(4,2) [M+H] <sup>+</sup> 479(77) [MH-(deoxy-hexose)] <sup>+</sup> 333(100)	479→333(100)	333→318(100); 301(98); 290(29.4); 272(15.5); 244(13); 186(8); 169(100); 142(8).	268. 330.	Patuletin- <i>O</i> -deoxy- hexoside

<b>15<sup>#</sup></b>	36.5	[M+H] <sup>+</sup> 667(100) [MH-(deoxy-hexose)] <sup>+</sup> 521(40) [aglicon] <sup>+</sup> 333(6)	667→521(100); 479(3.6); 333(33.5).	333→318(100); 301(95.7); 289(100);244(47.3); 202(21.2); 186(59.2); 169(19); 142(27.7); 123(29.4).	268, 350.	Patuletin- <i>O</i> -deoxy-hexoside- <i>O</i> -acetyl-deoxy-hexoside
<b>16<sup>#</sup></b>	38.3	[M+H] <sup>+</sup> 667(100) [MH-(acetyldeoxy-hexose)] <sup>+</sup> 479(40) [aglicon] <sup>+</sup> 333(4,7)	667→521(6.7); 479(61.3); 333(100).	333→318(100); 301(100); 290(38.7); 289(43.7); 272(49.4); 244(25.4); 234(12.8);186(13.4); 169(83.1); 142(22.8).	268, 350.	Patuletin- <i>O</i> -deoxy-hexoside- <i>O</i> -acetyl-deoxy-hexoside
<b>17<sup>#</sup></b>	39.3	[M+H] <sup>+</sup> 667(100) [MH-(deoxy-hexose)] <sup>+</sup> 521(46) [aglicon] <sup>+</sup> 333(4.4)	667→521(100); 479(3.5); 333(59).	333→318(100); 301(100); 290(19.2); 289(20.9); 273(22.4); 272(16.2); 245(16); 244(16.3); 186(16); 169(52.7); 151(13.6); 142(13.6).	268, 350.	Patuletin- <i>O</i> -deoxy-hexoside- <i>O</i> -acetyl-rhamnoside
<b>18</b>	42.7	[M+H] <sup>+</sup> 651(100) [MH-(desóxi-hexose)] <sup>+</sup> 505(29.5) [aglicon] <sup>+</sup> 317(7.2)	651→505(100); 463(5); 317(42)	317→302(100); 285(100); 274(43.6); 273(50.4); 257(24.9); 256(48); 228(71.7); 214(21.9); 203(20); 168(41.2); 142(28); 134(31); 107(18.5).	268, 350.	Eupafolin- <i>O</i> -deoxy-hexoside- <i>O</i> -acetyl-deoxy-hexoside
<b>19</b>	46.3	[M+H] <sup>+</sup> 651(100) [MH-(acetyl-deoxy-hexose)] <sup>+</sup> 463(4.8) [aglicon] <sup>+</sup> 317(4.4)	651→505(100); 463(3.7); 317(29.2).	317→302(100); 285(100); 274(43.6); 273(50.4); 257(24.9); 256(48); 228(71.7); 214(21.9); 203(20); 168(41.2); 142(28); 134(31); 107(18.5).	269, 350.	Eupafolin- <i>O</i> -rhamnoside- <i>O</i> -acetyl-rhamnoside
<b>20</b>	47.1	[M+H] <sup>+</sup> 667(100) [MH-(deoxy-hexose)] <sup>+</sup> 521(29) [aglicon] <sup>+</sup> 333(78)	667→521(100); 479(2.5); 333(78).	333→318(100); 301(100); 290(30.9); 289(11.9); 262(26); 244(31.2); 169(42.3).	269, 350.	Patuletin- <i>O</i> -deoxy-hexoside- <i>O</i> -acetyl-deoxy-hexoside
<b>21</b>	50.6	[M+H] <sup>+</sup> 709(100) [MH-(acetyl-deoxy-hexose)] <sup>+</sup> 521(4.2) [MH-226] <sup>+</sup> 483(2.7)	709→521(100); 333(48).	333→318(100); 301(100); 290(30.9); 289(11.9);	269, 355.	Patuletin-di- <i>O</i> -acetyl-deoxy-hexoside

		[MH-242] <sup>+</sup> 467(1.4)		262(26); 244(31.2); 169(42.3).		
<b>22<sup>#</sup></b>	53.9	[M+H] <sup>+</sup> 709(100) [MH-(acetyl-deoxy-hexose)] <sup>+</sup> 521(9)	709→521(100); 333(79.4).	333→318(100); 301(100); 290(38); 272(32); 245(15); 216(6.3); 186(12); 169(79); 142(23); 111(4.8).	269, 355.	Patuletin-di- <i>O</i> -acetyl- deoxy-hexoside
<b>23<sup>#</sup></b>	58.0	[M+H] <sup>+</sup> 709(100) [MH-(acetyl-deoxy-hexose)] <sup>+</sup> 521(10)	709→521(100); 333(85.8).	333→318(100); 301(83.9); 290(78.6); 289(18.5); 272(19.5); 1699(100); 151(32).	269, 355.	Patuletin-di- <i>O</i> -acetyl- deoxy-hexoside
<b>24</b>	63.1	[M+H] <sup>+</sup> 709(100) [MH-(acetyl-deoxy-hexose)] <sup>+</sup> 521(5,4) [aglicon] <sup>+</sup> 333(4.8)	709→521(100); 506(7.6); 412(6);333(83.3).	333→318(100); 301(83.9); 290(78.6); 289(18.5); 272(19.5); 169(100); 151(32).	269, 355.	Patuletin-di- <i>O</i> -acetyl- deoxy-hexoside
<b>25</b>	63.3	[M+H] <sup>+</sup> 693(100) [MH-(acetyl- deoxy-hexose)] <sup>+</sup> 505(6)	693→505(100); 317(66.7).	317→302(100).	269, 355.	Eupafolin-di- <i>O</i> - acetyl- deoxy- hexoside
<b>26</b>	65.3	[M+H] <sup>+</sup> 693(100) [MH-(acetyl-deoxy-hexose)] <sup>+</sup> 505(6)	693→505(100); 317(74.9).	317→302(100).	267, 317, 355.	Eupafolin-di- <i>O</i> - acetyl-deoxy-hexoside
<b>27</b>	65.7	[M+H] <sup>+</sup> 693(100) [MH-(acetyl-deoxy-hexose)] <sup>+</sup> 505(7)	693→547(14,8); 505(75.8); 317(100).	317→302(100).	267, 317, 355.	Eupafolin-di- <i>O</i> - acetyl-deoxy-hexoside
<b>28</b>	66.2	[M+H] <sup>+</sup> 751(100) [MH-(acetyl-deoxy-hexose)] <sup>+</sup> 563(12,5) [MH-di-acetyl-deoxy-hexose] <sup>+</sup> 521(7,5) [aglicon] <sup>+</sup> 333(70,5)	751→563(100); 521(7.5); 333(70.5).	333→318(100); 301(100); 290(38); 272(32); 245(15); 216(.,3); 186(12); 169(79); 142(23); 111(4.8).	268, 350.	Patuletin- <i>O</i> -acetyl- deoxy-hexoside- <i>O</i> -di- acetyl-deoxy- hexoside.

RT, retention time. \*, The intensity of each peak as a percentage, is provided adjacent to m/z ration of the same. #, Major peak.