

Table 1. ¹H-NMR chemical shifts of epicatechin metabolites

Compound	EC	3'MEC	4'MEC	EC7Gluc	3'MEC5/7Gluc	4'MEC7Gluc
2	4.86 s	4.26 s	4.29 s	4.84 s	4.92 s	4.93 s
3	4.25 m	4.19 m	4.20 m	4.24 m	4.21 m	4.22 m
4a	2.74 dd (2.4, 16.8)	2.75 dd (2.3, 17.0)	2.74 dd (2.2, 16.9)	2.75 dd (2.6, 17.1)	2.83 dd (2.6, 17.0)	2.85 dd (2.3, 17.2)
4b	2.86 dd (4.5, 17.2)	2.87 dd (4.3, 16.7)	2.86 dd (4.4, 17.0)	2.89 dd (4.3, 16.8)	2.85 dd (4.5, 16.9)	2.83 dd (4.3, 16.8)
6	5.98 d (2.3)	6.03 d (1.8)	5.97 d (2.5)	6.26 d (2.2)	6.29 d (2.3)	6.27 d (2.1)
8	5.95 d (2.2)	5.99 d (2.2)	5.93 d (2.3)	6.21 d (2.1)	6.15 d (2.0)	6.21 d (1.9)
2'	6.99 s	7.12 d (1.5)	7.24 s	7.03 s	7.21 s	7.19 s
5'	6.92 d (8.2)	6.76 d (8.0)	6.72 d (8.3)	6.77 d (8.2)	6.98 d (8.4)	7.01 d (8.2)
6'	6.91 dd (2.1, 8.1)	6.90 dd (2.2, 8.2)	6.84 dd (2.1, 8.3)	6.73 dd (1.9, 8.2)	6.99 s	6.97 s
-OCH3		3.84 s	3.86 s		3.84 s	3.85 s
1"				4.91 d (7.9)	4.94 d (7.3)	5.01 d (7.2)
2", 3", 4"				3.49~3.51 m	3.50~3.55 m	3.52~3.55 m
5"				3.92 d (8.6)	3.77 d (8.4)	3.74 d (8.2)
6"						