Supporting Information to:

**Constituents of Rhodiola rosea Showing Inhibitory Effect on Lipase Activity in Mouse Plasma and Alimentary Canal**

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General
Optical rotation was determined using a JASCO DIP-1000 polarimeter. Mass spectra (FAB-MS) were taken on a JEOL JMS-DX 303 mass spectrometer. $^1$H- and $^{13}$C-NMR spectra were recorded with a JEOL alpha 400 spectrometer (400, 100 MHz) and chemical shifts are given in $\delta$ (ppm) with tetramethylsilane as the internal standard (s=singlet, brs=broad singlet, d=doublet, dd=double doublet, t=triplet, m=multiplet). A LiChroCART HPLC-Cartridge (Merck; 10 mm i.d. $\times$ 250 mm) was employed as the column for preparative HPLC. The mobile phase was methanol-acetonitrile-H$_2$O (0.5:1:3.5) and the flow rate was 1.6 mL/min, at room temperature.

Physico-chemical data of compounds 1 and 2

1 (Rhodionin): Pale yellow amorphous powder; $[\alpha]_D^{20}$ -50.3 (c 0.2, EtOH); FAB-MS $m/z$: 449 [M+H]$^+$. $^1$H-NMR (CD$_3$OD) $\delta$: 1.3 (3H, d, $J=6.1$ Hz), 3.5 (1H, dd, $J=9.5, 9.5$ Hz), 3.7 (1H, m), 4.0 (1H, dd, $J=3.7, 9.5$ Hz), 4.1 (1H, dd, $J=1.7, 3.7$ Hz), 5.5 (1H, d, $J=1.5$ Hz), 6.7 (1H, s), 6.9 (2H, d, $J=9.0$ Hz), 8.2 (2H, d, $J=9.0$ Hz). $^{13}$C-NMR (CD$_3$OD) $\delta$: 18.1, 71.2, 71.8, 72.1, 73.8, 99.3, 101.0, 106.1, 116.3×2, 123.9, 128.5, 131.0×2, 137.4, 146.2, 148.8, 151.6, 153.9, 160.8, 177.9.

2 (Rhodiosin): A dark green yellow amorphous powder; $[\alpha]_D^{20}$ -74.8 (c 0.5, MeOH); FAB-MS $m/z$: 611 [M+H]$^+$. $^1$H-NMR (CD$_3$OD) $\delta$: 1.27 (3H, d, $J=6.3$ Hz), 3.3-3.45 (4H, overlapped), 3.66 (1H, t, $J=9.2$ Hz), 3.73 (2H, overlapped), 3.89 (1H, dd, $J=2, 12$ Hz), 4.16 (1H, dd, $J=3.5, 9.2$ Hz), 4.42 (1H, dd, $J=1.8, 3.5$ Hz), 4.66 (1H, d, $J=7.4$ Hz), 5.57 (1H, brs), 6.66 (1H, s), 6.92 (2H, d, $J=8.6$ Hz), 8.22 (2H, d, $J=8.6$ Hz). $^{13}$C-NMR (CD$_3$OD) $\delta$: 18.2, 62.4, 70.9, 71.1, 71.2, 72.5, 75.5, 77.8, 77.9, 82.4, 99.1, 100.6, 105.8, 106.2, 116.3×2, 123.9, 128.6, 131.1×2, 137.4, 146.0, 148.8, 151.0, 153.7, 160.8, 177.9.