

Supporting Information

Leoligin, the Major Lignan from Edelweiss (*Leontopodium nivale* subsp. *alpinum*), Promotes Cholesterol Efflux from THP-1 Macrophages

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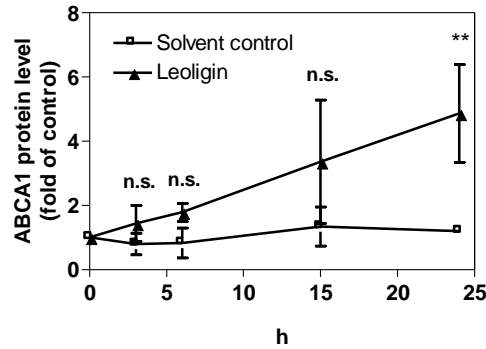


Figure S1. Time-dependent effect of leoligin on ABCA1 protein expression.

Differentiated THP-1 macrophages were incubated up to 24 h with (black triangles) or without (solvent vehicle control; white squares) leoligin at 10 μ M. Cells were lysed at different time points (0, 3, 6, 15, 24 h) and proteins were resolved on SDS-PAGE. Immuno-detection was performed with the ABCA1 antibody. The data are presented as mean \pm SD, and the statistical evaluation was performed by two-way ANOVA analysis with Bonferroni post test. $**p < 0.01$ versus solvent control (DMSO); n.s. not significant versus DMSO. The 95% confidence interval (CI) of difference between the mean of DMSO and leoligin at different time points is -2.300 to 2.300, -1.661 to 2.940, -1.342 to 3.259, -0.2789 to 4.321 and 1.366 to 5.966.

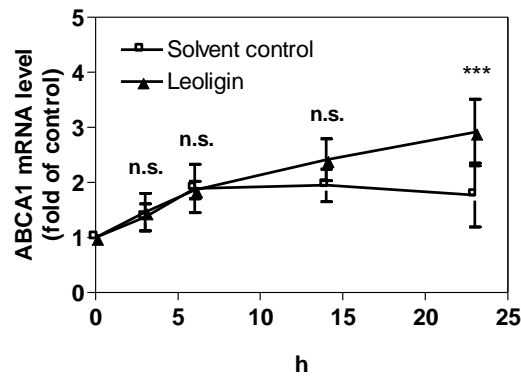


Figure S2. Time-dependent effect of leoligin on ABCA1 mRNA level.

Differentiated THP-1 macrophages were incubated with (black triangles) or without (solvent vehicle control; white squares) 10 μ M leoligin for up to 24 h. Total RNA was extracted and ABCA1 mRNA expression levels were quantified by qRT-PCR. The data are presented as mean \pm SD, and the statistical evaluation was performed by two-way ANOVA analysis with Bonferroni post test. *** $p < 0.001$ versus solvent control (DMSO); n.s. not significant versus DMSO. The 95% CI of difference between DMSO and leoligin at different time points is -0.6089 to 0.6089, -0.5196 to 0.6982, -0.6371 to 0.5807, -0.1451 to 1.073 and 0.5297 to 1.747.