Supporting Information to:

**Flavonoids of *Cynara scolymus* Possess Potent Xanthinoxidase Inhibitory Activity *in vitro* but are Devoid of Hypouricemic Effects in Rats after Oral Application**

Sasiporn Sarawek\(^1\)
Bjoern Feistel\(^2\)
Ivo Pischel\(^2\)
Veronika Butterweck\(^1\)

**Affiliation**
\(^1\) College of Pharmacy, Department of Pharmaceutics, University of Florida, Gainesville, FL, USA
\(^2\) Finzelberg GmbH & Co. KG, Andernach, Germany

**Correspondence**
Dr. Veronika Butterweck
College of Pharmacy
Department of Pharmaceutics
University of Florida
Gainesville
P.O. Box 100494
Florida 32610
USA.
Tel.: +1-352-273-7859
Fax: +1-352-273-7854
E-mail: butterwk@cop.ufl.edu
Fig. 1S Effect of potassium oxonate (PO) (250 mg/KG, i.p.) on plasma uric acid levels after different time points. Data are expressed as Mean ± SEM (n = 8). * = p < 0.05; ** = p < 0.01. Data were statistically evaluated by the Tukey’s post-hoc test for multiple comparisons.

Fig. 2S Effect of oral administration of allopurinol and ALE on plasma uric acid levels in rats pretreated with potassium oxonate (PO) (250 mg/kg, i.p.) after different exposure time points. Data are expressed as Mean ± SEM (n = 8). a = p < 0.05 vs. control; b = p < 0.05 vs. control +PO. Data were statistically evaluated by the Tukey’s post-hoc test for multiple comparisons.
Fig. 3S Effect of oral administration of allopurinol and ALE on plasma uric acid levels in rats pretreated with potassium oxonate (PO) (250 mg/kg, *i.p.*) after 15 days of daily treatment. Data are expressed as Mean ± SEM (n = 8). a = p <0.05 vs. control; b = p < 0.05 vs. control +PO. Data were statistically evaluated by the Tukey’s post-hoc test for multiple comparisons.