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## Isolation of the Antioxidant Metabolite from the EAF

PLOS One

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1 Works for me dx.doi.org/10.17504/protocols.io.bda7i2hn

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## ARSTRACT

EAF (4.13 g), which showed the most antioxidantactivity, was subjected to column chromatography on a silica gel column chromatography (CC), employing a step gradient of  $CH_2Cl_2$ - $CH_3OH$  (10:1, 10:2, 10:3, 10:5, 1:1, 0:1, v/v) and afforded eleven fractions (Fr. 1-Fr. 9) (Fig. 1). Fr. 2 was subjected to open silica gel CC using a successive elution of EtOAc-CH<sub>3</sub>OH (10:1-0:1, v/v) to yield fractions Fr. 2.1-2.4. Fr. 2.2 and 2.4 were isolated using Sephadex LH-20 CC/ODS-HPLC to afford **6** (8.1mg, 0.20%) and **7** (20mg, 0.48%). Fr. 4 was subjected to polyamide CC using  $CH_2Cl_2$ - $CH_3OH$ -HCOOH as eluent (10:2:1, v/v). Promising subfraction Fr. 4-3 was eluted using  $CH_3OH$ - $CH_3$ 

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