The aim of this study was to determine the essential oil content and composition of Cymbocarpum erythraeum (DC.) Boiss., a rare species spread in flora of Turkey. The samples were collected during the fructifying period of the plant from Erzincan, Turkey, at an altitude of 2430 m, in 2010. Essential oils were obtained from different parts of the plant such as fruits and herbal parts with Clevenger apparatus by hydro-distillation. Essential oil contents of the plant material were 0.38 ± 0.015%, 0.23 ± 0.012% and 0.21 ± 0.015% from fruits, herbal parts with fruits and herbal parts without fruits, respectively. Composition of essential oil was identified by gas chromatography-mass spectrometry. The essential oil of the herbal parts of the plant was dominated by fatty alcohols and aldehydes which accounted for 73.10% and 24.64%, respectively. Myristyl alcohol (1-tetradecanol) was identified as a major component of essential oil with an average content of 73.10%.

KEYWORDS:
1-tetradecanol (myristyl alcohol); Apiaceae; East Anatolia