in Iran

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Z. Naturforsch. **58c**, 171–172 (2003); received February 7/October 14, 2002 The composition of the hydrodistilled essential oils from the fruits and leaves of Thuja orientalis L. grown in Iran was analyzed by GC/MS. Nineteen and twenty-eight compounds have been identified in the volatile oils of the fruit and leaf, respectively. While the fruit oil contained α -pinene (52.4%), Δ -3-carene (14.2%), α -cedrol (6.5%) and β -phellandrene (5.1%), the leaf oil contained α -pinene (21.9%), α -cedrol (20.3%), Δ -3-carene (10.5%) and

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Volatile Constituents of the Fruit and Leaf Oils of Thuja orientalis L. Grown

limonen (7.2%) as the main components. Key words: Thuja orientalis L., Cupressaceae, Essential Oil Composition