Resource Summary Report

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(-)-?-Bisabolol GC sample preparation

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Type: Protocol

Proper Citation

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Protocol Information

URL: https://dx.doi.org/10.17504/protocols.io.xiufkew

Authors: Dennis Dienst, Oliver Mantovani, Pia Lindberg

Group: CyanoWorld, Metabolomics Protocols & Workflows, Chemistry Method Development Community

Summary: This is a quick guide for the preparation of (-)-?-bisabolol samples and external standards in dodecane for GC analysis. This protocol has been established in the Lindberg lab at Ångström laboratory (Uppsala University) for direct analysis of dodecane-based ex-situ extracts from cyanobacterial strains producing (-)-?-bisabolol. The protocol includes the preparation of stock solutions for the internal standard ?-caryophyllene (BCP) and the external standard. The preparation of a fresh external standard series is suggested for each sample analysis. The calibration curve is required for quantification of (-)-?-bisabolol in the samples of interest. This protocol is used in combination with the following GC protocol:dx.doi.org/10.17504/protocols.io.kj2cuqe

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