Essential oil of cymbopogon winterianus jowitt from Tanzania: Composition and antimicrobial activity

Malele, R.S.; Mwangi, J.W.; Thoithi, G.N.; Kibwage, Isaac O; Lopez, M.L.; Zunino, M.P.; Lopez, A.G; Zygarlo, J.A.; Oliva, M.M.; Demo, M.S.

Abstract:

The hydro-distilled essential oil (1.6%) of fresh aerial parts of wild Cymbopogon winterianus Jowitt was analyzed by GC-MS. Fifty compounds representing 96.5% of the oil were identified. The main components of the oil were linalool (27.4%), citronellol (10.9%), geraniol (8.5%), c-calamacoren, cis-calamenene (4.3%), J3-elemene (3.9%) and longifolene (3.5%). The oil exhibited low antimicrobial activity…