

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for T-CADINOL

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|---------------------------|------------------|---------|----------|---------------------|---|
| Vitex agnus-castus | Leaf Essent. Oil | | 10700.0 | 1.0 | Jim Duke's personal files. |
| Vitex agnus-castus | Leaf | | 2.5 | -0.7272372511202277 | Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of Vitex agnus-castus L. J. Essential Oil Research, 2: 115-119. |
| Vitex agnus-castus | Fruit | | | | Jim Duke's personal files. |
| Vitex agnus-castus | Flower | | | | Jim Duke's personal files. |
| Thymus funkii | Shoot | | 25.0 | 0.39967011088310117 | Vila, R., et al. 1995. Composition and study of the variability of the essential oil of Thymus funkii Cousson. Flav. & Fragr. J. 10(6): 379-383. |
| Thymus riatarum | Shoot | | 25.0 | 0.39967011088310117 | Iglesias, J., Vila, R., Canigueral, S., Bellakdhar, and Idrissi, A. 1991. Analysis of the Essential Oil of Thymus riatarum. J. Ess. Oil Res. 3: 43-4. |
| Thymus funkii | Shoot | | 35.0 | 0.9745365036152531 | Vila, R., et al. 1995. Composition and study of the variability of the essential oil of Thymus funkii Cousson. Flav. & Fragr. J. 10(6): 379-383. |
| Teucrium oxylepis | Shoot | | 9.24 | -0.5063193240627701 | Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six Teucrium Species from the Iberian Peninsula and the Balearic Islands. Phytochemistry 29(4): 1165-9. |
| Teucrium scorodonia | Shoot | | 1.02 | -0.978859498888599 | Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six Teucrium Species from the Iberian Peninsula and the Balearic Islands. Phytochemistry 29(4): 1165-9. |
| Teucrium pseudoscorodonia | Shoot | | 0.82 | -0.990356826743242 | Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six Teucrium Species from the Iberian Peninsula and the Balearic Islands. Phytochemistry 29(4): 1165-9. |
| Teucrium polium | Shoot | | 3.0 | -0.8650359531276329 | Perez-Alonso, M.J. Velasco-Negueruela, A. and Lopez-Saez, J.A. 1993. The Essential Oils of Two Iberian Teucrium Species. J. Ess. Oil Res. 5: 397-402. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|----------------------|--------|---------|----------|---------------------|---|
| Teucrium gnaphalodes | Shoot | | 2.5 | -0.8937792727642405 | Perez-Alonso, M.J. Velasco-Negueruela, A. and Lopez-Saez, J.A. 1993. The Essential Oils of Two Iberian Teucrium Species. J. Ess. Oil Res. 5: 397-402. |
| Teucrium oxylepis | Shoot | | 1.0 | -0.9800092316740633 | Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six Teucrium Species from the Iberian Peninsula and the Balearic Islands. Phytochemistry 29(4): 1165-9. |
| Teucrium salviastrum | Shoot | | 0.65 | -1.0001295554196887 | Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six Teucrium Species from the Iberian Peninsula and the Balearic Islands. Phytochemistry 29(4): 1165-9. |
| Teucrium asiaticum | Shoot | | 1.16 | -0.9708113693903488 | Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six Teucrium Species from the Iberian Peninsula and the Balearic Islands. Phytochemistry 29(4): 1165-9. |
| Tagetes lucida | Shoot | | 6.0 | -0.6925760353079873 | Bicchi, C., Fresia, M., Rubiolo, P., Monti, D., Franz, C., Goehler, I. 1997. Constituents of Tagetes lucida Cav. ssp. lucida essential oil. Flavor & Fragrance, 12(1): 47-52. |
| Stevia rebaudiana | Leaf | | 28.0 | -0.309739598419035 | Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp. |
| Stevia rebaudiana | Flower | | 60.0 | | Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp. |
| Satureja obovata | Leaf | | | | Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83. |
| Satureja obovata | Leaf | | | | Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|------------------------|-------------------|---------|----------|---------------------|---|
| Satureja obovata | Leaf | | 0.01 | -0.7680046689722265 | Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83. |
| Satureja obovata | Leaf | | | | Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83. |
| Salvia dorisiana | Shoot | 1.2 | 1.8 | -0.9340199202554911 | Tucker, A.O. & Maciarelo, M.J. 1994. The Essential Oil of Salvia dorisiana Standley. J. Ess. Oil Res. 6: 97-8. |
| Plectranthus barbatus | Essential Oil | 5000.0 | 41000.0 | | -- |
| Pinus sylvestris | Leaf Essent. Oil | | 2000.0 | -1.0 | -- |
| Pinus sylvestris | Leaf | | | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| Ocimum basilicum | Plant | | 0.5 | -0.7318552362623783 | Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37(5): 501-504. |
| Ocimum basilicum | Shoot Essent. Oil | | 71400.0 | | -- |
| Ocimum basilicum | Plant | | 0.5 | -0.7318552362623783 | Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37(5): 501-504. |
| Nepeta racemosa | Shoot | | 60.0 | 2.411702485445633 | Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of Nepeta racemosa Lam. J. Ess. Oil Res. 5: 215-7. |
| Nepeta racemosa | Shoot | | 60.0 | 2.411702485445633 | Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of Nepeta racemosa Lam. J. Ess. Oil Res. 5: 215-7. |
| Metrosideros nervulosa | Leaf | | 176.0 | 2.1133840329447495 | -- |
| Melissa officinalis | Shoot | 3.0 | 24.0 | 0.342183471609886 | Deutsche Apot. Ztit. 129(4):155-163. W. Schulze et al. Die Melisse. |
| Melia azedarach | Wood | | | | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|----------------------|-------|---------|----------|--------------------|---|
| Hyssopus officinalis | Shoot | | | | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781. |
| Hyssopus officinalis | Shoot | | | | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781. |
| Hyssopus officinalis | Shoot | | 20.0 | 0.1122369145170252 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781. |
| Hyssopus officinalis | Shoot | | 30.0 | 0.6871033072491771 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781. |
| Hyssopus officinalis | Shoot | | 30.0 | 0.6871033072491771 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781. |
| Hyssopus officinalis | Shoot | | 30.0 | 0.6871033072491771 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781. |
| Hyssopus officinalis | Shoot | | 30.0 | 0.6871033072491771 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781. |
| Hyssopus officinalis | Shoot | | 20.0 | 0.1122369145170252 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781. |
| Hyssopus officinalis | Shoot | | | | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781. |

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|----------------------|-------|---------|----------|----------------------|---|
| Hyssopus officinalis | Shoot | | 30.0 | 0.6871033072491771 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781. |
| Hyssopus officinalis | Leaf | 0.1 | 60.0 | 0.2141790245785401 | Flavour and Fragrance Journal, 6: 72. |
| Humulus lupulus | Fruit | | 9.0 | | -- |
| Cinnamomum camphora | Plant | | | | -- |
| Artemisia pallens | Plant | 38.0 | 168.0 | 1.6955853988653122 | -- |
| Aloysia citrodora | Plant | 5.0 | 35.0 | -0.23187492634055548 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Acinos alpinus | Shoot | | 2.5 | -0.8937792727642405 | Velasco-Negueruela, A., Perez-Alonso, M.J., Jimenez, S.M. and Garcia, F.M. 1993. The Volatile Constituents of <i>Acinus alpinus</i> (L.) Moench ssp. meridionalis (Nyman). P.W. Ball Growing in Spain. Flav. & Frag. J. 8:127-130.) |
| Acinos alpinus | Shoot | | 2.5 | -0.8937792727642405 | Velasco-Negueruela, A., Perez-Alonso, M.J., Jimenez, S.M. and Garcia, F.M. 1993. The Volatile Constituents of <i>Acinus alpinus</i> (L.) Moench ssp. meridionalis (Nyman). P.W. Ball Growing in Spain. Flav. & Frag. J. 8:127-130.) |
| Achillea millefolium | Leaf | 1.0 | 15.0 | -0.5225815390117998 | -- |