

Phytochemical Database  
USDA - ARS - NGRL  
Beltsville Agricultural Research Center  
Beltsville, Maryland

Dr. Duke's Phytochemical and Ethnobotanical Databases

<http://www.ars-grin.gov/cgi-bin/duke/farmacy2.pl?1051>

Chemicals in *Vetiveria zizanioides* (L.) NASH (*Poaceae*) -- khus-khus, Cuscus Grass, Vetiver

Source: DUKE1992A

1. (+)-KHUSITENE Plant
2. 73-CADALENE Root
3. ALLO-KHUSINOL Plant
4. ALPHA-CALACORANE Root
5. ALPHA-ISOVETIVENENE Root
6. ALPHA-VETISPIRENE Root
7. ALPHA-VETIVENE Plant
8. ALPHA-VETIVENENE Plant
9. ALPHA-VETIVONE Root
10. ASH Leaf 53,000 - 90,000 ppm
11. BENZOIC-ACID Root
12. BETA-ISOVETISPIRENE Root
13. BETA-VETISPIRINE Root
14. BETA-VETIVENE Root
15. BETA-VETIVENENE Root
16. BETA-VETIVONE Root
17. BHARATPUROL-I Root

18. BHARATPUROL-II Root
19. BICYCLODECENONE Plant
20. CADINA-7-11(12\_OR\_13)-DIENE Root
21. CADINA-9,11(12\_OR\_13)-DIENE Root
22. CADINANE Plant
23. CADINANE-SESQUITERPENES Root
24. CALCIUM Leaf 2,800 - 3,100 ppm
25. CARBOHYDRATES Leaf 450,000 - 474,000 ppm
26. CYCLOCOPACAMPHENE Root
27. CYCLOCOPACAMPHENIC-ACID Plant
28. CYCLOCOPACAMPHENOL Root
29. D-ALPHA-AMORPHENE Plant
30. DELTA-3-CARENE Root
31. DIACETYL Root
32. ELEMOL Root
33. EO Root 2,000 - 33,000 ppm
34. EPICYCLOCOPACAMPHENIC-ACID Plant
35. EPIKHUSINOL Root
36. EPIZIZANAL Plant
37. EPIZIZANOIC-ACID Plant
38. EUDESMANE-SESQUITERPENES Root
39. EUDESMOL Root
40. FAT Leaf 11,000 - 21,000 ppm

41. FIBER Leaf 347,000 - 422,000 ppm
42. FRUCTOSE Root
43. GAMMA-VETIVENE Root
44. GLUCOSE Root
45. GLYCEROL Root
46. HEMICELLULOSE Leaf 458,000 ppm;
47. ISOBISABOLENE Root
48. ISOKHUSENIC-ACID Root
49. ISOKHUSINOL Plant
50. ISOKHUSINOL-OXIDE Plant
51. ISOVALENCENIC-ACID Plant
52. ISOVALENCENOL Plant
53. ISOVETISELINENOL Plant
54. ISOVETIVONE Root
55. KETONES Root 468 - 11,583 ppm
56. KHISONE Root
57. KHUSENE Root
58. KHUSENOL Plant
59. KHUSILAL Root
60. KHUSIMENE Plant
61. KHUSIMONE Root
62. KHUSIMYL-ACETATE Plant
63. KHUSINOL Root

64. KHUSINOLOXIDE Root
65. KHUSIOL Plant
66. KHUSITOL Root
67. KHUSITONE Root
68. KHUSOL Root
69. L-DELTA-CADINOL Root
70. L-GAMMA-2-CADINENE Root
71. L-GAMMA-CADINENE Root
72. LAEVOJUNEOL Root
73. LAEVOJUNESSOL Root
74. LIMONENE Root
75. N-EICOSANE Root
76. NORKHUSINOL-OXIDE Plant
77. P-CYMENE Root
78. PALMITIC-ACID Root
79. PHOSPHORUS Fruit 500 - 6,000 ppm
80. SELINA-4(14),7(17)-DIENE Plant
81. SESQUITERPENE-KETONES Root 900 - 8,910 ppm
82. SUCROSE Root
83. TRICYCLOVETIVENE Root
84. VETICADINOL Plant
85. VETISELINENE Plant
86. VETISELINENOL Root

87. VETIVENE Root
88. VETIVENOLENE Root 1,200 - 19,800 ppm
89. VETIVENONE Root 240 - 4,290 ppm
90. VETIVENYL-VETIVENATE Root
91. VETIVEROLS Root 2,700 - 21,450 ppm
92. ZIZANAL Plant
93. ZIZANENE Root
94. ZIZANOIC-ACID Root
95. ZIZANOL Root

ppm = parts per million  
tr = trace

Please send questions and comments to

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