

# Furan, 2-pentyl-

|                      |                                                             |
|----------------------|-------------------------------------------------------------|
| Other names:         | 2-Amylfuran                                                 |
|                      | 2-Pentylfuran                                               |
|                      | 2-Pentylfurane                                              |
|                      | 2-n-Pentylfuran                                             |
|                      | Amyl furan (2-Pentyl furan)                                 |
|                      | furane, 2-pentyl                                            |
| Inchi:               | InChI=1S/C9H14O/c1-2-3-4-6-9-7-5-8-10-9/h5,7-8H,2-4,6H2,1H3 |
| InchiKey:            | YVBAUDVGOFUSG-UHFFFAOYSA-N                                  |
| Formula:             | C9H14O                                                      |
| SMILES:              | CCCCCc1ccco1                                                |
| Mol. weight [g/mol]: | 138.21                                                      |
| CAS:                 | 3777-69-3                                                   |

## Physical Properties

| Property code | Value   | Unit   | Source         |
|---------------|---------|--------|----------------|
| log10ws       | -7.26   |        | Crippen Method |
| logp          | 3.012   |        | Crippen Method |
| mcvol         | 124.080 | ml/mol | McGowan Method |
| rinpol        | 990.00  |        | NIST Webbook   |
| rinpol        | 984.00  |        | NIST Webbook   |
| rinpol        | 989.00  |        | NIST Webbook   |
| rinpol        | 981.00  |        | NIST Webbook   |
| rinpol        | 982.00  |        | NIST Webbook   |
| rinpol        | 982.00  |        | NIST Webbook   |
| rinpol        | 984.00  |        | NIST Webbook   |
| rinpol        | 993.00  |        | NIST Webbook   |
| rinpol        | 993.00  |        | NIST Webbook   |
| rinpol        | 994.00  |        | NIST Webbook   |
| rinpol        | 977.10  |        | NIST Webbook   |
| rinpol        | 977.10  |        | NIST Webbook   |
| rinpol        | 993.80  |        | NIST Webbook   |
| rinpol        | 993.00  |        | NIST Webbook   |
| rinpol        | 990.00  |        | NIST Webbook   |
| rinpol        | 987.00  |        | NIST Webbook   |
| rinpol        | 988.00  |        | NIST Webbook   |
| rinpol        | 970.00  |        | NIST Webbook   |
| rinpol        | 988.00  |        | NIST Webbook   |

|        |        |              |
|--------|--------|--------------|
| rinpol | 974.00 | NIST Webbook |
| rinpol | 981.00 | NIST Webbook |
| rinpol | 981.00 | NIST Webbook |
| rinpol | 994.00 | NIST Webbook |
| rinpol | 993.00 | NIST Webbook |
| rinpol | 993.00 | NIST Webbook |
| rinpol | 992.00 | NIST Webbook |
| rinpol | 995.00 | NIST Webbook |
| rinpol | 995.00 | NIST Webbook |
| rinpol | 998.30 | NIST Webbook |
| rinpol | 998.50 | NIST Webbook |
| rinpol | 993.00 | NIST Webbook |
| rinpol | 977.00 | NIST Webbook |
| rinpol | 994.00 | NIST Webbook |
| rinpol | 990.00 | NIST Webbook |
| rinpol | 991.00 | NIST Webbook |
| rinpol | 991.00 | NIST Webbook |
| rinpol | 993.00 | NIST Webbook |
| rinpol | 993.00 | NIST Webbook |
| rinpol | 991.00 | NIST Webbook |
| rinpol | 993.00 | NIST Webbook |
| rinpol | 993.00 | NIST Webbook |
| rinpol | 994.00 | NIST Webbook |
| rinpol | 993.00 | NIST Webbook |
| rinpol | 982.00 | NIST Webbook |
| rinpol | 993.90 | NIST Webbook |
| rinpol | 998.00 | NIST Webbook |
| rinpol | 993.00 | NIST Webbook |
| rinpol | 994.00 | NIST Webbook |
| rinpol | 993.00 | NIST Webbook |
| rinpol | 987.00 | NIST Webbook |
| rinpol | 989.00 | NIST Webbook |
| rinpol | 991.00 | NIST Webbook |
| rinpol | 996.00 | NIST Webbook |
| rinpol | 990.00 | NIST Webbook |
| rinpol | 995.00 | NIST Webbook |
| rinpol | 980.00 | NIST Webbook |
| rinpol | 983.00 | NIST Webbook |
| rinpol | 991.00 | NIST Webbook |
| rinpol | 994.00 | NIST Webbook |
| rinpol | 984.00 | NIST Webbook |
| rinpol | 977.00 | NIST Webbook |
| rinpol | 993.00 | NIST Webbook |
| rinpol | 994.00 | NIST Webbook |

|        |        |              |
|--------|--------|--------------|
| rinpol | 972.00 | NIST Webbook |
| rinpol | 999.00 | NIST Webbook |
| rinpol | 973.00 | NIST Webbook |
| rinpol | 999.00 | NIST Webbook |
| rinpol | 994.00 | NIST Webbook |
| rinpol | 981.00 | NIST Webbook |
| rinpol | 980.00 | NIST Webbook |
| rinpol | 980.00 | NIST Webbook |
| rinpol | 980.00 | NIST Webbook |
| rinpol | 986.00 | NIST Webbook |
| rinpol | 978.00 | NIST Webbook |
| rinpol | 982.00 | NIST Webbook |
| rinpol | 983.00 | NIST Webbook |
| rinpol | 981.00 | NIST Webbook |
| rinpol | 973.00 | NIST Webbook |
| rinpol | 979.00 | NIST Webbook |
| rinpol | 979.00 | NIST Webbook |
| rinpol | 984.00 | NIST Webbook |
| rinpol | 979.00 | NIST Webbook |
| rinpol | 997.00 | NIST Webbook |
| rinpol | 991.00 | NIST Webbook |
| rinpol | 978.00 | NIST Webbook |
| rinpol | 992.00 | NIST Webbook |
| rinpol | 989.00 | NIST Webbook |
| rinpol | 993.00 | NIST Webbook |
| rinpol | 993.00 | NIST Webbook |
| rinpol | 996.00 | NIST Webbook |
| rinpol | 996.00 | NIST Webbook |
| rinpol | 996.00 | NIST Webbook |
| rinpol | 996.00 | NIST Webbook |
| rinpol | 991.00 | NIST Webbook |
| rinpol | 989.00 | NIST Webbook |
| rinpol | 984.00 | NIST Webbook |
| rinpol | 992.00 | NIST Webbook |
| rinpol | 990.00 | NIST Webbook |
| rinpol | 991.00 | NIST Webbook |
| rinpol | 991.00 | NIST Webbook |
| rinpol | 993.00 | NIST Webbook |
| rinpol | 993.00 | NIST Webbook |
| rinpol | 981.00 | NIST Webbook |
| rinpol | 992.00 | NIST Webbook |
| rinpol | 993.00 | NIST Webbook |
| rinpol | 995.00 | NIST Webbook |
| rinpol | 990.00 | NIST Webbook |

|        |         |              |
|--------|---------|--------------|
| rinpol | 981.00  | NIST Webbook |
| rinpol | 977.00  | NIST Webbook |
| rinpol | 1010.00 | NIST Webbook |
| rinpol | 993.00  | NIST Webbook |
| rinpol | 991.00  | NIST Webbook |
| rinpol | 994.00  | NIST Webbook |
| rinpol | 995.00  | NIST Webbook |
| rinpol | 990.00  | NIST Webbook |
| rinpol | 994.00  | NIST Webbook |
| rinpol | 983.00  | NIST Webbook |
| rinpol | 990.00  | NIST Webbook |
| rinpol | 993.00  | NIST Webbook |
| rinpol | 987.00  | NIST Webbook |
| rinpol | 989.00  | NIST Webbook |
| rinpol | 993.00  | NIST Webbook |
| rinpol | 987.00  | NIST Webbook |
| rinpol | 1002.00 | NIST Webbook |
| rinpol | 994.00  | NIST Webbook |
| rinpol | 975.00  | NIST Webbook |
| rinpol | 975.00  | NIST Webbook |
| rinpol | 973.00  | NIST Webbook |
| rinpol | 990.00  | NIST Webbook |
| rinpol | 973.00  | NIST Webbook |
| rinpol | 991.00  | NIST Webbook |
| rinpol | 1001.00 | NIST Webbook |
| rinpol | 976.00  | NIST Webbook |
| rinpol | 980.00  | NIST Webbook |
| rinpol | 981.00  | NIST Webbook |
| rinpol | 990.00  | NIST Webbook |
| rinpol | 1012.00 | NIST Webbook |
| rinpol | 997.20  | NIST Webbook |
| rinpol | 991.00  | NIST Webbook |
| rinpol | 995.00  | NIST Webbook |
| rinpol | 981.00  | NIST Webbook |
| rinpol | 1001.00 | NIST Webbook |
| rinpol | 974.00  | NIST Webbook |
| rinpol | 991.00  | NIST Webbook |
| rinpol | 998.00  | NIST Webbook |
| rinpol | 982.00  | NIST Webbook |
| rinpol | 982.00  | NIST Webbook |
| rinpol | 994.00  | NIST Webbook |
| rinpol | 989.00  | NIST Webbook |
| rinpol | 989.00  | NIST Webbook |
| rinpol | 992.00  | NIST Webbook |

|        |         |              |
|--------|---------|--------------|
| rinpol | 973.00  | NIST Webbook |
| rinpol | 979.00  | NIST Webbook |
| rinpol | 997.00  | NIST Webbook |
| rinpol | 990.00  | NIST Webbook |
| rinpol | 987.00  | NIST Webbook |
| rinpol | 992.00  | NIST Webbook |
| rinpol | 994.00  | NIST Webbook |
| rinpol | 996.00  | NIST Webbook |
| rinpol | 978.00  | NIST Webbook |
| rinpol | 991.00  | NIST Webbook |
| rinpol | 980.00  | NIST Webbook |
| rinpol | 977.00  | NIST Webbook |
| rinpol | 977.00  | NIST Webbook |
| rinpol | 994.00  | NIST Webbook |
| rinpol | 977.00  | NIST Webbook |
| rinpol | 975.00  | NIST Webbook |
| rinpol | 976.00  | NIST Webbook |
| rinpol | 993.00  | NIST Webbook |
| rinpol | 992.00  | NIST Webbook |
| rinpol | 995.00  | NIST Webbook |
| rinpol | 995.00  | NIST Webbook |
| rinpol | 977.00  | NIST Webbook |
| rinpol | 979.00  | NIST Webbook |
| rinpol | 978.00  | NIST Webbook |
| rinpol | 977.00  | NIST Webbook |
| rinpol | 977.00  | NIST Webbook |
| rinpol | 972.00  | NIST Webbook |
| rinpol | 983.00  | NIST Webbook |
| rinpol | 978.00  | NIST Webbook |
| rinpol | 977.00  | NIST Webbook |
| rinpol | 977.00  | NIST Webbook |
| rinpol | 982.00  | NIST Webbook |
| rinpol | 978.00  | NIST Webbook |
| rinpol | 990.00  | NIST Webbook |
| rinpol | 1005.00 | NIST Webbook |
| rinpol | 973.00  | NIST Webbook |
| rinpol | 991.00  | NIST Webbook |
| rinpol | 992.00  | NIST Webbook |
| rinpol | 993.00  | NIST Webbook |
| rinpol | 993.00  | NIST Webbook |
| rinpol | 996.00  | NIST Webbook |
| rinpol | 991.00  | NIST Webbook |
| rinpol | 981.00  | NIST Webbook |
| rinpol | 993.00  | NIST Webbook |

|        |         |              |
|--------|---------|--------------|
| rinpol | 981.00  | NIST Webbook |
| rinpol | 978.00  | NIST Webbook |
| rinpol | 993.00  | NIST Webbook |
| rinpol | 977.00  | NIST Webbook |
| rinpol | 993.00  | NIST Webbook |
| rinpol | 988.00  | NIST Webbook |
| rinpol | 1002.00 | NIST Webbook |
| rinpol | 989.00  | NIST Webbook |
| rinpol | 993.00  | NIST Webbook |
| rinpol | 973.00  | NIST Webbook |
| rinpol | 973.00  | NIST Webbook |
| rinpol | 991.00  | NIST Webbook |
| rinpol | 993.00  | NIST Webbook |
| rinpol | 970.00  | NIST Webbook |
| rinpol | 991.00  | NIST Webbook |
| rinpol | 984.00  | NIST Webbook |
| rinpol | 988.00  | NIST Webbook |
| rinpol | 972.00  | NIST Webbook |
| rinpol | 991.00  | NIST Webbook |
| rinpol | 994.00  | NIST Webbook |
| rinpol | 993.00  | NIST Webbook |
| rinpol | 994.00  | NIST Webbook |
| rinpol | 979.00  | NIST Webbook |
| rinpol | 980.00  | NIST Webbook |
| rinpol | 994.00  | NIST Webbook |
| rinpol | 990.00  | NIST Webbook |
| rinpol | 981.00  | NIST Webbook |
| rinpol | 1003.00 | NIST Webbook |
| rinpol | 992.00  | NIST Webbook |
| rinpol | 972.00  | NIST Webbook |
| rinpol | 973.00  | NIST Webbook |
| rinpol | 999.00  | NIST Webbook |
| rinpol | 993.00  | NIST Webbook |
| rinpol | 991.00  | NIST Webbook |
| rinpol | 978.00  | NIST Webbook |
| rinpol | 995.00  | NIST Webbook |
| rinpol | 995.00  | NIST Webbook |
| rinpol | 988.00  | NIST Webbook |
| rinpol | 996.00  | NIST Webbook |
| rinpol | 983.00  | NIST Webbook |
| rinpol | 996.00  | NIST Webbook |
| rinpol | 991.00  | NIST Webbook |
| rinpol | 1001.00 | NIST Webbook |
| rinpol | 994.00  | NIST Webbook |

|        |         |              |
|--------|---------|--------------|
| rinpol | 997.00  | NIST Webbook |
| rinpol | 992.00  | NIST Webbook |
| rinpol | 998.00  | NIST Webbook |
| rinpol | 1001.00 | NIST Webbook |
| rinpol | 999.00  | NIST Webbook |
| rinpol | 995.00  | NIST Webbook |
| rinpol | 980.00  | NIST Webbook |
| rinpol | 980.00  | NIST Webbook |
| rinpol | 995.00  | NIST Webbook |
| rinpol | 983.00  | NIST Webbook |
| rinpol | 975.00  | NIST Webbook |
| rinpol | 977.00  | NIST Webbook |
| rinpol | 996.00  | NIST Webbook |
| rinpol | 982.00  | NIST Webbook |
| rinpol | 993.00  | NIST Webbook |
| rinpol | 993.80  | NIST Webbook |
| rinpol | 970.00  | NIST Webbook |
| rinpol | 994.00  | NIST Webbook |
| rinpol | 995.00  | NIST Webbook |
| rinpol | 990.00  | NIST Webbook |
| rinpol | 991.00  | NIST Webbook |
| rinpol | 986.00  | NIST Webbook |
| rinpol | 973.00  | NIST Webbook |
| rinpol | 992.00  | NIST Webbook |
| rinpol | 983.00  | NIST Webbook |
| rinpol | 975.00  | NIST Webbook |
| rinpol | 1001.00 | NIST Webbook |
| rinpol | 1012.00 | NIST Webbook |
| rinpol | 980.00  | NIST Webbook |
| rinpol | 977.00  | NIST Webbook |
| rinpol | 990.00  | NIST Webbook |
| ripol  | 1241.00 | NIST Webbook |
| ripol  | 1231.00 | NIST Webbook |
| ripol  | 1229.00 | NIST Webbook |
| ripol  | 1231.00 | NIST Webbook |
| ripol  | 1230.00 | NIST Webbook |
| ripol  | 1229.00 | NIST Webbook |
| ripol  | 1224.00 | NIST Webbook |
| ripol  | 1232.00 | NIST Webbook |
| ripol  | 1233.00 | NIST Webbook |
| ripol  | 1203.00 | NIST Webbook |
| ripol  | 1224.00 | NIST Webbook |
| ripol  | 1238.00 | NIST Webbook |
| ripol  | 1249.00 | NIST Webbook |

|       |         |              |
|-------|---------|--------------|
| ripol | 1249.00 | NIST Webbook |
| ripol | 1224.00 | NIST Webbook |
| ripol | 1249.00 | NIST Webbook |
| ripol | 1235.00 | NIST Webbook |
| ripol | 1236.00 | NIST Webbook |
| ripol | 1236.00 | NIST Webbook |
| ripol | 1228.00 | NIST Webbook |
| ripol | 1233.00 | NIST Webbook |
| ripol | 1226.00 | NIST Webbook |
| ripol | 1236.00 | NIST Webbook |
| ripol | 1214.00 | NIST Webbook |
| ripol | 1224.00 | NIST Webbook |
| ripol | 1224.00 | NIST Webbook |
| ripol | 1237.00 | NIST Webbook |
| ripol | 1236.00 | NIST Webbook |
| ripol | 1224.00 | NIST Webbook |
| ripol | 1252.00 | NIST Webbook |
| ripol | 1228.00 | NIST Webbook |
| ripol | 1228.00 | NIST Webbook |
| ripol | 1231.00 | NIST Webbook |
| ripol | 1234.00 | NIST Webbook |
| ripol | 1234.00 | NIST Webbook |
| ripol | 1229.00 | NIST Webbook |
| ripol | 1204.00 | NIST Webbook |
| ripol | 1237.00 | NIST Webbook |
| ripol | 1237.00 | NIST Webbook |
| ripol | 1241.00 | NIST Webbook |
| ripol | 1220.00 | NIST Webbook |
| ripol | 1230.00 | NIST Webbook |
| ripol | 1219.00 | NIST Webbook |
| ripol | 1219.00 | NIST Webbook |
| ripol | 1217.00 | NIST Webbook |
| ripol | 1211.00 | NIST Webbook |
| ripol | 1239.00 | NIST Webbook |
| ripol | 1239.00 | NIST Webbook |
| ripol | 1240.00 | NIST Webbook |
| ripol | 1236.00 | NIST Webbook |
| ripol | 1243.00 | NIST Webbook |
| ripol | 1235.00 | NIST Webbook |
| ripol | 1224.00 | NIST Webbook |
| ripol | 1216.00 | NIST Webbook |
| ripol | 1244.00 | NIST Webbook |
| ripol | 1230.00 | NIST Webbook |
| ripol | 1222.00 | NIST Webbook |

|       |         |              |
|-------|---------|--------------|
| ripol | 1246.00 | NIST Webbook |
| ripol | 1238.00 | NIST Webbook |
| ripol | 1248.00 | NIST Webbook |
| ripol | 1210.00 | NIST Webbook |
| ripol | 1198.00 | NIST Webbook |
| ripol | 1233.00 | NIST Webbook |
| ripol | 1231.00 | NIST Webbook |
| ripol | 1193.00 | NIST Webbook |
| ripol | 1240.00 | NIST Webbook |
| ripol | 1235.00 | NIST Webbook |
| ripol | 1237.00 | NIST Webbook |
| ripol | 1240.00 | NIST Webbook |
| ripol | 1226.00 | NIST Webbook |
| ripol | 1227.00 | NIST Webbook |
| ripol | 1259.00 | NIST Webbook |
| ripol | 1228.00 | NIST Webbook |
| ripol | 1224.00 | NIST Webbook |
| ripol | 1249.00 | NIST Webbook |
| ripol | 1239.00 | NIST Webbook |
| ripol | 1216.00 | NIST Webbook |
| ripol | 1224.00 | NIST Webbook |
| ripol | 1261.00 | NIST Webbook |
| ripol | 1238.00 | NIST Webbook |
| ripol | 1224.00 | NIST Webbook |
| ripol | 1230.00 | NIST Webbook |
| ripol | 1231.00 | NIST Webbook |
| ripol | 1231.00 | NIST Webbook |
| ripol | 1231.00 | NIST Webbook |
| ripol | 1230.00 | NIST Webbook |
| ripol | 1215.00 | NIST Webbook |
| ripol | 1265.00 | NIST Webbook |
| ripol | 1228.00 | NIST Webbook |
| ripol | 1241.00 | NIST Webbook |
| ripol | 1240.00 | NIST Webbook |
| ripol | 1241.00 | NIST Webbook |
| ripol | 1231.00 | NIST Webbook |
| ripol | 1253.00 | NIST Webbook |
| ripol | 1240.00 | NIST Webbook |
| ripol | 1226.00 | NIST Webbook |
| ripol | 1243.00 | NIST Webbook |
| ripol | 1227.00 | NIST Webbook |
| ripol | 1228.00 | NIST Webbook |
| ripol | 1226.00 | NIST Webbook |
| ripol | 1220.00 | NIST Webbook |

[illegible]

|       |         |              |
|-------|---------|--------------|
| ripol | 1244.00 | NIST Webbook |
| ripol | 1229.00 | NIST Webbook |
| ripol | 1244.00 | NIST Webbook |
| ripol | 1244.00 | NIST Webbook |
| ripol | 1244.00 | NIST Webbook |
| ripol | 1244.00 | NIST Webbook |
| ripol | 1244.00 | NIST Webbook |
| ripol | 1244.00 | NIST Webbook |
| ripol | 1227.00 | NIST Webbook |
| ripol | 1243.00 | NIST Webbook |
| ripol | 1223.00 | NIST Webbook |
| ripol | 1228.00 | NIST Webbook |
| ripol | 1231.00 | NIST Webbook |
| ripol | 1229.00 | NIST Webbook |
| ripol | 1230.00 | NIST Webbook |
| ripol | 1232.00 | NIST Webbook |
| ripol | 1220.00 | NIST Webbook |
| ripol | 1235.00 | NIST Webbook |
| ripol | 1244.00 | NIST Webbook |
| ripol | 1234.00 | NIST Webbook |
| ripol | 1213.00 | NIST Webbook |
| ripol | 1236.00 | NIST Webbook |
| ripol | 1223.00 | NIST Webbook |
| ripol | 1232.00 | NIST Webbook |
| ripol | 1240.00 | NIST Webbook |

## Correlations

| Information                 | Value                         |
|-----------------------------|-------------------------------|
| Property code               | pvap                          |
| Equation                    | $\ln(P_{vp}) = A + B/(T + C)$ |
| Coeff. A                    | 2.05013e+01                   |
| Coeff. B                    | -5.76951e+03                  |
| Coeff. C                    | -7.35340e+01                  |
| Temperature range (K), min. | 358.96                        |
| Temperature range (K), max. | 453.36                        |

# Sources

|                                      |                                                                                                                                                                                         |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NIST Webbook:                        | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C3777693&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C3777693&amp;Units=SI</a>                                             |
| The Yaws Handbook of Vapor Pressure: | <a href="https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure">https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure</a> |
| Crippen Method:                      | <a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>                                                                               |
| Crippen Method:                      | <a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                                                                       |
| McGowan Method:                      | <a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>                                                                   |

## Legend

|                 |                                     |
|-----------------|-------------------------------------|
| <b>log10ws:</b> | Log10 of Water solubility in mol/l  |
| <b>logp:</b>    | Octanol/Water partition coefficient |
| <b>mcvol:</b>   | McGowan's characteristic volume     |
| <b>pvap:</b>    | Vapor pressure                      |
| <b>rinpol:</b>  | Non-polar retention indices         |
| <b>ripol:</b>   | Polar retention indices             |

Latest version available from:

<https://www.chemeo.com/cid/38-363-7/Furan-2-pentyl.pdf>

Generated by Cheméo on 2025-12-06 00:23:34.202587813 +0000 UTC m=+4728811.732628483.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.