

Phenol, 4-ethyl-2-methoxy-

Other names:	p-Ethylguaiacol 2-Methoxy-4-ethylphenol 4-Ethyl-2-methoxyphenol 4-Ethylguaiacol 4-Hydroxy-3-methoxy ethylbenzene 4-Ethyl-2-methoxyphenol (4-ethylguaiacol) 4-Ethyl-2-methoxy phenol Guaiacol, 4-ethyl p-Ethyl-2-methoxyphenol Phenol, 2-methoxy-4-ethyl 4-ethyl guaiacol ethylguaiacol (4-ethyl-2-methoxyphenol)
Inchi:	InChI=1S/C9H12O2/c1-3-7-4-5-8(10)9(6-7)11-2/h4-6,10H,3H2,1-2H3
InchiKey:	CHWNEIVBYREQRF-UHFFFAOYSA-N
Formula:	C9H12O2
SMILES:	CCc1ccc(O)c(OC)c1
Mol. weight [g/mol]:	152.19
CAS:	2785-89-9

Physical Properties

Property code	Value	Unit	Source
gf	-131.94	kJ/mol	Joback Method
hf	-313.56	kJ/mol	Joback Method
hfus	19.69	kJ/mol	Joback Method
hvap	53.99	kJ/mol	Joback Method
log10ws	-1.94		Crippen Method
logp	1.963		Crippen Method
mcvol	125.650	ml/mol	McGowan Method
pc	3745.38	kPa	Joback Method
rinpol	1287.00		NIST Webbook
rinpol	1278.00		NIST Webbook
rinpol	1287.00		NIST Webbook
rinpol	1284.90		NIST Webbook
rinpol	1285.60		NIST Webbook
rinpol	1260.00		NIST Webbook
rinpol	1268.00		NIST Webbook
rinpol	1285.00		NIST Webbook

rinpol	1285.00	NIST Webbook
rinpol	1286.00	NIST Webbook
rinpol	1299.00	NIST Webbook
rinpol	1280.00	NIST Webbook
rinpol	1285.00	NIST Webbook
rinpol	1286.00	NIST Webbook
rinpol	1288.00	NIST Webbook
rinpol	1245.00	NIST Webbook
rinpol	1244.00	NIST Webbook
rinpol	1253.00	NIST Webbook
rinpol	1281.00	NIST Webbook
rinpol	1279.00	NIST Webbook
rinpol	1247.00	NIST Webbook
rinpol	1250.00	NIST Webbook
rinpol	1265.00	NIST Webbook
rinpol	1254.00	NIST Webbook
rinpol	1281.00	NIST Webbook
rinpol	1283.00	NIST Webbook
rinpol	1288.00	NIST Webbook
rinpol	1285.00	NIST Webbook
rinpol	1288.00	NIST Webbook
rinpol	1250.00	NIST Webbook
rinpol	1247.00	NIST Webbook
rinpol	1260.00	NIST Webbook
rinpol	1275.00	NIST Webbook
rinpol	1282.00	NIST Webbook
rinpol	1284.00	NIST Webbook
rinpol	1264.00	NIST Webbook
rinpol	1286.00	NIST Webbook
rinpol	1285.00	NIST Webbook
rinpol	1274.00	NIST Webbook
rinpol	1263.00	NIST Webbook
rinpol	1275.00	NIST Webbook
rinpol	1281.00	NIST Webbook
rinpol	1280.00	NIST Webbook
rinpol	1247.00	NIST Webbook
rinpol	1252.00	NIST Webbook
rinpol	1243.00	NIST Webbook
rinpol	1270.00	NIST Webbook
rinpol	1265.00	NIST Webbook
rinpol	1280.00	NIST Webbook
rinpol	1277.00	NIST Webbook
rinpol	1246.00	NIST Webbook
rinpol	1290.00	NIST Webbook

rinpol	1278.00	NIST Webbook
rinpol	1287.00	NIST Webbook
rinpol	1286.00	NIST Webbook
rinpol	1288.00	NIST Webbook
rinpol	1279.00	NIST Webbook
rinpol	1281.00	NIST Webbook
rinpol	1250.00	NIST Webbook
rinpol	1282.00	NIST Webbook
rinpol	1278.00	NIST Webbook
rinpol	1254.00	NIST Webbook
rinpol	1243.00	NIST Webbook
rinpol	1250.00	NIST Webbook
rinpol	1282.00	NIST Webbook
rinpol	1257.00	NIST Webbook
ripol	2038.00	NIST Webbook
ripol	2033.00	NIST Webbook
ripol	2048.00	NIST Webbook
ripol	2002.00	NIST Webbook
ripol	2036.00	NIST Webbook
ripol	2032.00	NIST Webbook
ripol	2055.00	NIST Webbook
ripol	2034.00	NIST Webbook
ripol	2039.00	NIST Webbook
ripol	1989.00	NIST Webbook
ripol	2020.00	NIST Webbook
ripol	2024.00	NIST Webbook
ripol	2020.00	NIST Webbook
ripol	2038.00	NIST Webbook
ripol	2032.00	NIST Webbook
ripol	2032.00	NIST Webbook
ripol	2047.00	NIST Webbook
ripol	1983.00	NIST Webbook
ripol	1987.00	NIST Webbook
ripol	2008.00	NIST Webbook
ripol	2031.00	NIST Webbook
ripol	2061.00	NIST Webbook
ripol	2065.00	NIST Webbook
ripol	2065.00	NIST Webbook
ripol	2024.00	NIST Webbook
ripol	2010.00	NIST Webbook
ripol	2033.00	NIST Webbook
ripol	2057.00	NIST Webbook
ripol	2024.00	NIST Webbook
ripol	2065.00	NIST Webbook

ripol	2031.00	NIST Webbook
ripol	2034.00	NIST Webbook
ripol	2031.00	NIST Webbook
ripol	2030.00	NIST Webbook
ripol	1984.00	NIST Webbook
ripol	2068.00	NIST Webbook
ripol	2026.00	NIST Webbook
ripol	2039.00	NIST Webbook
ripol	2054.00	NIST Webbook
ripol	2040.00	NIST Webbook
ripol	2048.00	NIST Webbook
ripol	2024.00	NIST Webbook
ripol	2034.00	NIST Webbook
ripol	2065.00	NIST Webbook
ripol	2061.00	NIST Webbook
ripol	2065.00	NIST Webbook
ripol	1989.00	NIST Webbook
ripol	2020.00	NIST Webbook
ripol	2048.00	NIST Webbook
ripol	2048.00	NIST Webbook
ripol	2015.00	NIST Webbook
ripol	2025.00	NIST Webbook
ripol	2028.00	NIST Webbook
ripol	2032.00	NIST Webbook
ripol	1985.00	NIST Webbook
ripol	2032.00	NIST Webbook
ripol	2030.00	NIST Webbook
ripol	2033.00	NIST Webbook
ripol	2034.00	NIST Webbook
ripol	2047.00	NIST Webbook
ripol	2034.00	NIST Webbook
ripol	2068.00	NIST Webbook
ripol	2002.00	NIST Webbook
ripol	2034.00	NIST Webbook
ripol	2011.00	NIST Webbook
ripol	2012.00	NIST Webbook
ripol	2010.00	NIST Webbook
ripol	2023.00	NIST Webbook
ripol	2014.00	NIST Webbook
ripol	2068.00	NIST Webbook
ripol	2024.00	NIST Webbook
ripol	2058.00	NIST Webbook
ripol	2025.00	NIST Webbook
ripol	2019.00	NIST Webbook

ripol	2027.00		NIST Webbook
ripol	2011.00		NIST Webbook
ripol	2032.00		NIST Webbook
ripol	1994.00		NIST Webbook
ripol	2033.00		NIST Webbook
ripol	2032.00		NIST Webbook
ripol	2032.00		NIST Webbook
ripol	2034.00		NIST Webbook
ripol	2012.00		NIST Webbook
ripol	2024.00		NIST Webbook
ripol	2011.00		NIST Webbook
ripol	2061.00		NIST Webbook
ripol	2033.00		NIST Webbook
ripol	2026.00		NIST Webbook
ripol	2032.00		NIST Webbook
tb	540.02	K	Joback Method
tc	760.79	K	Joback Method
tf	364.08	K	Joback Method
vc	0.415	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	289.84	J/molxK	540.02	Joback Method
cpg	302.09	J/molxK	576.82	Joback Method
cpg	313.60	J/molxK	613.61	Joback Method
cpg	324.42	J/molxK	650.41	Joback Method
cpg	334.61	J/molxK	687.20	Joback Method
cpg	344.22	J/molxK	724.00	Joback Method
cpg	353.30	J/molxK	760.79	Joback Method
dvisc	0.0014803	Paxs	364.08	Joback Method
dvisc	0.0006835	Paxs	393.40	Joback Method
dvisc	0.0003513	Paxs	422.73	Joback Method
dvisc	0.0001968	Paxs	452.05	Joback Method
dvisc	0.0001183	Paxs	481.37	Joback Method
dvisc	0.0000754	Paxs	510.70	Joback Method
dvisc	0.0000505	Paxs	540.02	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	368.50 ± 0.50	K	0.70	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2785899&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tbrp:	Boiling point at reduced pressure
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

Latest version available from:

<https://www.chemeo.com/cid/16-930-1/Phenol-4-ethyl-2-methoxy.pdf>

Generated by Cheméo on 2024-04-20 07:07:46.011627634 +0000 UTC m=+15886114.932204961.
Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.