

Thymol

Other names:	1-Hydroxy-5-methyl-2-isopropylbenzene 1-Methyl-3-hydroxy-4-isopropylbenzene 2-Hydroxy-1-isopropyl-4-methylbenzene 2-Isopropyl-5-methylphenol 2-Isopropyl-5-methylphenol (thymol) 3-Hydroxy-1-methyl-4-isopropylbenzene 3-Hydroxy-p-cymene 3-Methyl-6-isopropylphenol 3-p-Cymenol 5-Methyl-2-(1-methylethyl)phenol 5-Methyl-2-isopropyl-1-phenol 5-Methyl-2-isopropylphenol 6-Isopropyl-3-methylphenol 6-Isopropyl-m-cresol Isopropyl-m-cresol NSC 11215 Phenol, 2-isopropyl-5-methyl- Phenol, 5-methyl-2-(1-methylethyl)- Thyme camphor Thymic acid m-Cresol, 6-isopropyl- m-Thymol p-Cymen-3-ol p-Cymene, 3-hydroxy-
Inchi:	InChI=1S/C10H14O/c1-7(2)9-5-4-8(3)6-10(9)11/h4-7,11H,1-3H3
InchiKey:	MGSRCKZVQBKFT-UHFFFAOYSA-N
Formula:	C10H14O
SMILES:	Cc1ccc(C(C)C)c(O)c1
Mol. weight [g/mol]:	150.22
CAS:	89-83-8

Physical Properties

Property code	Value	Unit	Source
chs	-5626.20 ± 9.60	kJ/mol	NIST Webbook
chs	-5657.00	kJ/mol	NIST Webbook
gf	-20.96	kJ/mol	Joback Method

hf	-184.60	kJ/mol	NIST Webbook
hfs	-280.00	kJ/mol	NIST Webbook
hfus	17.57	kJ/mol	Joback Method
hsub	95.73	kJ/mol	NIST Webbook
hsub	91.50	kJ/mol	NIST Webbook
hsub	95.40	kJ/mol	NIST Webbook
hvap	68.70	kJ/mol	NIST Webbook
hvap	70.90	kJ/mol	NIST Webbook
hvap	70.50	kJ/mol	NIST Webbook
log10ws	-2.22		Estimated Solubility Method
logp	2.824		Crippen Method
mcvol	133.870	ml/mol	McGowan Method
pc	3439.94	kPa	Joback Method
rinpol	1272.00		NIST Webbook
rinpol	1284.00		NIST Webbook
rinpol	1287.00		NIST Webbook
rinpol	1296.00		NIST Webbook
rinpol	1302.00		NIST Webbook
rinpol	1264.00		NIST Webbook
rinpol	1283.00		NIST Webbook
rinpol	1272.00		NIST Webbook
rinpol	1253.00		NIST Webbook
rinpol	1271.00		NIST Webbook
rinpol	1273.00		NIST Webbook
rinpol	1265.51		NIST Webbook
rinpol	1264.78		NIST Webbook
rinpol	1264.48		NIST Webbook
rinpol	1264.64		NIST Webbook
rinpol	1265.21		NIST Webbook
rinpol	1265.21		NIST Webbook
rinpol	1266.17		NIST Webbook
rinpol	1267.44		NIST Webbook
rinpol	1269.09		NIST Webbook
rinpol	1271.04		NIST Webbook
rinpol	1271.04		NIST Webbook
rinpol	1268.59		NIST Webbook
rinpol	1266.79		NIST Webbook
rinpol	1265.51		NIST Webbook
rinpol	1264.72		NIST Webbook
rinpol	1264.40		NIST Webbook
rinpol	1264.54		NIST Webbook
rinpol	1265.09		NIST Webbook
rinpol	1266.02		NIST Webbook
rinpol	1267.31		NIST Webbook

rinpol	1274.53	NIST Webbook
rinpol	1271.67	NIST Webbook
rinpol	1268.62	NIST Webbook
rinpol	1266.78	NIST Webbook
rinpol	1265.10	NIST Webbook
rinpol	1291.00	NIST Webbook
rinpol	1291.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1294.00	NIST Webbook
rinpol	1295.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1291.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1294.00	NIST Webbook
rinpol	1296.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1283.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1297.00	NIST Webbook
rinpol	1275.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1287.00	NIST Webbook
rinpol	1311.00	NIST Webbook
rinpol	1288.00	NIST Webbook
rinpol	1302.00	NIST Webbook
rinpol	1296.00	NIST Webbook
rinpol	1296.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1298.00	NIST Webbook
rinpol	1260.00	NIST Webbook
rinpol	1280.00	NIST Webbook
rinpol	1281.00	NIST Webbook
rinpol	1272.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1268.00	NIST Webbook
rinpol	1284.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1296.00	NIST Webbook

rinpol	1292.00	NIST Webbook
rinpol	1284.00	NIST Webbook
rinpol	1287.00	NIST Webbook
rinpol	1288.00	NIST Webbook
rinpol	1280.00	NIST Webbook
rinpol	1306.00	NIST Webbook
rinpol	1299.00	NIST Webbook
rinpol	1284.00	NIST Webbook
rinpol	1268.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1288.00	NIST Webbook
rinpol	1308.00	NIST Webbook
rinpol	1271.00	NIST Webbook
rinpol	1266.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1291.00	NIST Webbook
rinpol	1266.00	NIST Webbook
rinpol	1279.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1291.00	NIST Webbook
rinpol	1267.00	NIST Webbook
rinpol	1267.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1291.00	NIST Webbook
rinpol	1270.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1286.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1266.00	NIST Webbook
rinpol	1285.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1280.00	NIST Webbook
rinpol	1268.00	NIST Webbook
rinpol	1302.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1285.00	NIST Webbook
rinpol	1282.00	NIST Webbook
rinpol	1264.00	NIST Webbook
rinpol	1296.00	NIST Webbook
rinpol	1267.00	NIST Webbook
rinpol	1286.00	NIST Webbook
rinpol	1286.00	NIST Webbook
rinpol	1283.00	NIST Webbook

rinpol	1267.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1299.00	NIST Webbook
rinpol	1289.00	NIST Webbook
rinpol	1267.00	NIST Webbook
rinpol	1281.00	NIST Webbook
rinpol	1286.00	NIST Webbook
rinpol	1291.00	NIST Webbook
rinpol	1296.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1280.00	NIST Webbook
rinpol	1294.00	NIST Webbook
rinpol	1294.00	NIST Webbook
rinpol	1289.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1291.00	NIST Webbook
rinpol	1291.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1272.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1291.00	NIST Webbook
rinpol	1269.00	NIST Webbook
rinpol	1291.00	NIST Webbook
rinpol	1291.00	NIST Webbook
rinpol	1280.00	NIST Webbook
rinpol	1294.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1253.00	NIST Webbook
rinpol	1294.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1295.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1289.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1285.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1263.00	NIST Webbook
rinpol	1290.00	NIST Webbook

rinpol	1263.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1289.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1272.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1297.00	NIST Webbook
rinpol	1291.00	NIST Webbook
rinpol	1294.00	NIST Webbook
rinpol	1294.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1266.00	NIST Webbook
rinpol	1266.00	NIST Webbook
rinpol	1266.00	NIST Webbook
rinpol	1295.00	NIST Webbook
rinpol	1279.70	NIST Webbook
rinpol	1287.00	NIST Webbook
rinpol	1285.00	NIST Webbook
rinpol	1273.00	NIST Webbook
rinpol	1254.20	NIST Webbook
rinpol	1265.40	NIST Webbook
rinpol	1277.00	NIST Webbook
rinpol	1310.00	NIST Webbook
rinpol	1267.00	NIST Webbook
rinpol	1268.00	NIST Webbook
rinpol	1265.00	NIST Webbook
rinpol	1303.00	NIST Webbook
rinpol	1280.00	NIST Webbook
rinpol	1272.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1294.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1298.00	NIST Webbook
rinpol	1267.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1302.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1295.00	NIST Webbook

rinpol	1293.00	NIST Webbook
rinpol	1278.00	NIST Webbook
rinpol	1273.00	NIST Webbook
rinpol	1289.00	NIST Webbook
rinpol	1291.00	NIST Webbook
rinpol	1271.00	NIST Webbook
rinpol	1295.00	NIST Webbook
rinpol	1294.00	NIST Webbook
rinpol	1281.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1295.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1294.00	NIST Webbook
rinpol	1267.00	NIST Webbook
rinpol	1272.00	NIST Webbook
rinpol	1294.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1273.00	NIST Webbook
rinpol	1294.00	NIST Webbook
rinpol	1294.00	NIST Webbook
rinpol	1267.00	NIST Webbook
rinpol	1308.00	NIST Webbook
rinpol	1279.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1294.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1294.00	NIST Webbook
rinpol	1288.00	NIST Webbook
rinpol	1269.00	NIST Webbook
rinpol	1283.00	NIST Webbook
rinpol	1265.00	NIST Webbook
rinpol	1294.00	NIST Webbook
rinpol	1301.00	NIST Webbook
rinpol	1289.00	NIST Webbook
rinpol	1269.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1279.00	NIST Webbook
rinpol	1291.00	NIST Webbook
rinpol	1262.00	NIST Webbook
rinpol	1266.00	NIST Webbook

rinpol	1291.00	NIST Webbook
rinpol	1264.00	NIST Webbook
rinpol	1266.00	NIST Webbook
rinpol	1266.00	NIST Webbook
rinpol	1304.00	NIST Webbook
rinpol	1270.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1270.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1274.00	NIST Webbook
rinpol	1303.00	NIST Webbook
rinpol	1285.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1254.00	NIST Webbook
rinpol	1291.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1263.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1314.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1270.00	NIST Webbook
rinpol	1282.00	NIST Webbook
rinpol	1270.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1289.00	NIST Webbook
rinpol	1304.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1287.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1288.00	NIST Webbook
rinpol	1268.00	NIST Webbook
rinpol	1267.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1268.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1294.00	NIST Webbook
rinpol	1270.00	NIST Webbook

rinpol	1263.00	NIST Webbook
rinpol	1295.00	NIST Webbook
rinpol	1266.00	NIST Webbook
rinpol	1251.00	NIST Webbook
rinpol	1282.00	NIST Webbook
rinpol	1266.00	NIST Webbook
rinpol	1298.00	NIST Webbook
rinpol	1286.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1278.00	NIST Webbook
rinpol	1267.00	NIST Webbook
rinpol	1268.00	NIST Webbook
rinpol	1269.00	NIST Webbook
rinpol	1275.00	NIST Webbook
rinpol	1282.00	NIST Webbook
rinpol	1267.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1288.00	NIST Webbook
rinpol	1316.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1268.00	NIST Webbook
rinpol	1274.00	NIST Webbook
rinpol	1304.00	NIST Webbook
rinpol	1256.00	NIST Webbook
rinpol	1284.00	NIST Webbook
rinpol	1260.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1286.00	NIST Webbook
rinpol	1267.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1285.00	NIST Webbook
rinpol	1272.00	NIST Webbook
rinpol	1278.00	NIST Webbook
rinpol	1278.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1276.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1276.00	NIST Webbook
rinpol	1268.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1292.00	NIST Webbook

rinpol	1291.00	NIST Webbook
rinpol	1288.00	NIST Webbook
rinpol	1304.00	NIST Webbook
rinpol	1328.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1300.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1255.00	NIST Webbook
rinpol	1263.00	NIST Webbook
rinpol	1251.00	NIST Webbook
rinpol	1295.00	NIST Webbook
rinpol	1274.00	NIST Webbook
rinpol	1273.00	NIST Webbook
rinpol	1266.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1268.00	NIST Webbook
rinpol	1268.00	NIST Webbook
rinpol	1262.00	NIST Webbook
rinpol	1262.00	NIST Webbook
rinpol	1271.00	NIST Webbook
rinpol	1295.00	NIST Webbook
rinpol	1299.00	NIST Webbook
rinpol	1272.00	NIST Webbook
rinpol	1269.00	NIST Webbook
rinpol	1284.00	NIST Webbook
rinpol	1274.00	NIST Webbook
rinpol	1274.00	NIST Webbook
rinpol	1286.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1271.00	NIST Webbook
rinpol	1273.00	NIST Webbook
rinpol	1272.00	NIST Webbook
rinpol	1284.00	NIST Webbook
rinpol	1289.00	NIST Webbook
rinpol	1268.00	NIST Webbook
rinpol	1270.00	NIST Webbook
rinpol	1284.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1275.00	NIST Webbook
rinpol	1288.00	NIST Webbook
rinpol	1269.00	NIST Webbook
rinpol	1286.00	NIST Webbook

rinpol	1286.00	NIST Webbook
rinpol	1287.00	NIST Webbook
rinpol	1268.00	NIST Webbook
rinpol	1267.00	NIST Webbook
rinpol	1268.00	NIST Webbook
rinpol	1267.00	NIST Webbook
rinpol	1265.00	NIST Webbook
rinpol	1268.00	NIST Webbook
rinpol	1265.00	NIST Webbook
rinpol	1265.00	NIST Webbook
rinpol	1268.00	NIST Webbook
rinpol	1268.00	NIST Webbook
rinpol	1278.00	NIST Webbook
rinpol	1275.00	NIST Webbook
rinpol	1275.00	NIST Webbook
rinpol	1302.00	NIST Webbook
rinpol	1264.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1301.00	NIST Webbook
rinpol	1291.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1289.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1262.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1275.00	NIST Webbook
rinpol	1275.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1289.00	NIST Webbook
rinpol	1289.00	NIST Webbook
rinpol	1295.00	NIST Webbook
rinpol	1303.00	NIST Webbook
rinpol	1288.00	NIST Webbook
rinpol	1289.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1290.00	NIST Webbook

rinpol	1260.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1296.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1240.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1241.00	NIST Webbook
rinpol	1241.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1318.00	NIST Webbook
rinpol	1308.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1308.00	NIST Webbook
rinpol	1288.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1280.00	NIST Webbook
rinpol	1275.00	NIST Webbook
rinpol	1275.00	NIST Webbook
rinpol	1276.00	NIST Webbook
rinpol	1239.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1275.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1272.00	NIST Webbook
rinpol	1267.00	NIST Webbook
rinpol	1267.00	NIST Webbook
rinpol	1298.00	NIST Webbook
rinpol	1275.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1291.00	NIST Webbook
rinpol	1308.00	NIST Webbook
rinpol	1275.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1268.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1308.00	NIST Webbook
rinpol	1290.00	NIST Webbook

rinpol	1290.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1291.00	NIST Webbook
rinpol	1267.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1269.00	NIST Webbook
rinpol	1272.00	NIST Webbook
rinpol	1278.00	NIST Webbook
rinpol	1275.00	NIST Webbook
rinpol	1270.00	NIST Webbook
rinpol	1263.00	NIST Webbook
rinpol	1270.00	NIST Webbook
rinpol	1267.00	NIST Webbook
rinpol	1297.00	NIST Webbook
rinpol	1289.00	NIST Webbook
rinpol	1273.00	NIST Webbook
rinpol	1271.00	NIST Webbook
rinpol	1287.00	NIST Webbook
rinpol	1260.00	NIST Webbook
rinpol	1270.00	NIST Webbook
rinpol	1303.00	NIST Webbook
rinpol	1294.00	NIST Webbook
rinpol	1298.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1289.00	NIST Webbook
rinpol	1281.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1308.00	NIST Webbook
rinpol	1266.00	NIST Webbook
rinpol	1304.00	NIST Webbook
rinpol	1274.00	NIST Webbook
rinpol	1291.00	NIST Webbook
rinpol	1292.00	NIST Webbook
rinpol	1251.00	NIST Webbook
rinpol	1263.00	NIST Webbook
rinpol	1278.00	NIST Webbook
rinpol	1282.00	NIST Webbook
rinpol	1316.00	NIST Webbook
rinpol	1256.00	NIST Webbook
rinpol	1267.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1288.00	NIST Webbook

ripol	2153.00	NIST Webbook
ripol	2205.00	NIST Webbook
ripol	2151.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2146.00	NIST Webbook
ripol	2191.00	NIST Webbook
ripol	2185.00	NIST Webbook
ripol	2205.00	NIST Webbook
ripol	2205.00	NIST Webbook
ripol	2205.00	NIST Webbook
ripol	2146.00	NIST Webbook
ripol	2142.00	NIST Webbook
ripol	2174.00	NIST Webbook
ripol	2205.00	NIST Webbook
ripol	2205.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2205.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2205.00	NIST Webbook
ripol	2173.00	NIST Webbook
ripol	2174.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2173.00	NIST Webbook
ripol	2212.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2189.00	NIST Webbook
ripol	2186.00	NIST Webbook
ripol	2157.00	NIST Webbook
ripol	2157.00	NIST Webbook
ripol	2187.00	NIST Webbook
ripol	2186.00	NIST Webbook
ripol	2183.00	NIST Webbook
ripol	2183.00	NIST Webbook
ripol	2156.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2157.00	NIST Webbook
ripol	2164.00	NIST Webbook
ripol	2187.00	NIST Webbook

ripol	2160.00	NIST Webbook
ripol	2180.00	NIST Webbook
ripol	2189.00	NIST Webbook
ripol	2154.00	NIST Webbook
ripol	2172.00	NIST Webbook
ripol	2172.00	NIST Webbook
ripol	2189.00	NIST Webbook
ripol	2189.00	NIST Webbook
ripol	2189.00	NIST Webbook
ripol	2163.00	NIST Webbook
ripol	2165.00	NIST Webbook
ripol	2156.00	NIST Webbook
ripol	2152.00	NIST Webbook
ripol	2149.00	NIST Webbook
ripol	2191.00	NIST Webbook
ripol	2187.00	NIST Webbook
ripol	2177.00	NIST Webbook
ripol	2145.00	NIST Webbook
ripol	2207.00	NIST Webbook
ripol	2171.00	NIST Webbook
ripol	2180.00	NIST Webbook
ripol	2162.00	NIST Webbook
ripol	2167.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2174.00	NIST Webbook
ripol	2178.00	NIST Webbook
ripol	2185.00	NIST Webbook
ripol	2189.00	NIST Webbook
ripol	2189.00	NIST Webbook
ripol	2202.00	NIST Webbook
ripol	2193.00	NIST Webbook
ripol	2162.00	NIST Webbook
ripol	2176.00	NIST Webbook
ripol	2175.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2179.00	NIST Webbook
ripol	2180.00	NIST Webbook
ripol	2178.00	NIST Webbook
ripol	2188.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2143.00	NIST Webbook
ripol	2191.00	NIST Webbook
ripol	2166.00	NIST Webbook
ripol	2185.00	NIST Webbook

ripol	2188.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2189.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2205.00	NIST Webbook
ripol	2189.00	NIST Webbook
ripol	2205.00	NIST Webbook
ripol	2205.00	NIST Webbook
ripol	2205.00	NIST Webbook
ripol	2196.00	NIST Webbook
ripol	2166.00	NIST Webbook
ripol	2190.00	NIST Webbook
ripol	2172.00	NIST Webbook
ripol	2205.00	NIST Webbook
ripol	2172.00	NIST Webbook
ripol	2205.00	NIST Webbook
ripol	2195.00	NIST Webbook
ripol	2148.00	NIST Webbook
ripol	2205.00	NIST Webbook
ripol	2153.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2139.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2162.00	NIST Webbook
ripol	2167.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2151.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2205.00	NIST Webbook
ripol	2205.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2198.00	NIST Webbook

ripol	2169.00		NIST Webbook
ripol	2198.00		NIST Webbook
ripol	2198.00		NIST Webbook
ripol	2153.00		NIST Webbook
ripol	2198.00		NIST Webbook
ripol	2200.00		NIST Webbook
tb	506.20	K	NIST Webbook
tb	505.65 ± 0.30	K	NIST Webbook
tb	506.65 ± 1.00	K	NIST Webbook
tb	504.65 ± 4.00	K	NIST Webbook
tb	506.00 ± 0.50	K	NIST Webbook
tb	505.95 ± 2.00	K	NIST Webbook
tb	506.15 ± 3.00	K	NIST Webbook
tb	506.05 ± 0.35	K	NIST Webbook
tb	506.05 ± 0.30	K	NIST Webbook
tc	698.30 ± 4.00	K	NIST Webbook
tf	324.65 ± 2.00	K	NIST Webbook
tf	324.00 ± 1.00	K	NIST Webbook
tf	322.65	K	Low-density polyethylene-thymol: Thermal behavior and phase diagram
tf	322.65	K	Solubility and solution thermodynamics of thymol in six pure organic solvents
tf	322.00	K	Solubility of high-value compounds in ethyl lactate: Measurements and modelling
tf	324.15	K	Liquid pharmaceuticals formulation by eutectic formation
tf	323.10	K	(Solid + liquid) equilibrium phase diagrams in binary mixtures containing terpenes: New experimental data and analysis of several modelling strategies with modified UNIFAC (Dortmund) and PC-SAFT equation of state
tf	322.80 ± 0.50	K	NIST Webbook
tf	322.90 ± 0.50	K	NIST Webbook
tf	322.65 ± 3.00	K	NIST Webbook
tf	322.00 ± 1.50	K	NIST Webbook
tf	323.70 ± 1.50	K	NIST Webbook
tf	322.35 ± 0.30	K	NIST Webbook
tf	322.35 ± 0.30	K	NIST Webbook
tf	322.10 ± 2.00	K	NIST Webbook

tf	322.83 ± 0.40	K	NIST Webbook
tf	321.70 ± 0.50	K	NIST Webbook
vc	0.448	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	372.56	J/mol×K	727.10	Joback Method
cpg	311.65	J/mol×K	540.04	Joback Method
cpg	325.50	J/mol×K	577.45	Joback Method
cpg	338.45	J/mol×K	614.86	Joback Method
cpg	382.61	J/mol×K	764.51	Joback Method
cpg	361.90	J/mol×K	689.69	Joback Method
cpg	350.56	J/mol×K	652.28	Joback Method
dvisc	0.0000853	Pa×s	506.39	Joback Method
dvisc	0.0005484	Pa×s	405.43	Joback Method
dvisc	0.0012767	Pa×s	371.77	Joback Method
dvisc	0.0035167	Pa×s	338.12	Joback Method
dvisc	0.0000535	Pa×s	540.04	Joback Method
dvisc	0.0001452	Pa×s	472.73	Joback Method
dvisc	0.0002681	Pa×s	439.08	Joback Method
hfust	22.01	kJ/mol	324.20	NIST Webbook
hfust	22.01	kJ/mol	324.20	NIST Webbook
hsubt	75.10	kJ/mol	284.00	NIST Webbook
hsubt	89.10 ± 4.50	kJ/mol	308.00	NIST Webbook
hsubt	91.20 ± 4.10	kJ/mol	293.00	NIST Webbook
hvapt	54.90	kJ/mol	421.00	NIST Webbook
hvapt	51.50	kJ/mol	426.50	NIST Webbook
hvapt	52.80	kJ/mol	426.50	NIST Webbook
hvapt	55.20	kJ/mol	426.50	NIST Webbook
hvapt	58.40	kJ/mol	426.50	NIST Webbook
hvapt	63.20	kJ/mol	426.50	NIST Webbook
hvapt	58.40	kJ/mol	447.50	NIST Webbook

Correlations

Information	Value
Property code	pvap

Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.54443e+01
Coeff. B	-4.58942e+03
Coeff. C	-8.17210e+01
Temperature range (K), min.	384.52
Temperature range (K), max.	534.65

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/T + C \cdot \ln(T) + D \cdot T^2$
Coeff. A	1.14571e+02
Coeff. B	-1.18006e+04
Coeff. C	-1.41836e+01
Coeff. D	6.75881e-06
Temperature range (K), min.	381.15
Temperature range (K), max.	514.15

Sources

Low-density polyethylene-thymol:
Thermal behavior and phase diagram:
The Yaws Handbook of Vapor
Pressure:
KDB:

<https://www.doi.org/10.1016/j.tca.2017.11.012>

<https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure>

<https://www.thermo.com/files/research/kdb/mol/mol884.mol>

Thermodynamic properties of
hydrophobic deep eutectic solvents
and solubility of water compounds in
them: Lactate Measurements and
modeling Liquid Equilibrium Behaviors of
5-Methyl-2-(1-methylethyl)phenol in
McGowan Method:

<https://www.doi.org/10.1016/j.fluid.2019.02.010>

<https://www.doi.org/10.1016/j.jct.2011.12.005>

<https://www.doi.org/10.1021/je7007582>

<http://link.springer.com/article/10.1007/BF02311772>

Estimated Solubility Method:

http://pubs.acs.org/doi/suppl/10.1021/ci034243x/suppl_file/ci034243xsi20040112_053635.txt

KDB Vapor Pressure Data:

<https://www.thermo.com/research/kdb/hcprop/showprop.php?cmpid=884>

Solubility of high-value compounds in
environmentally friendly solvents liquid
polyethylene glycol and ionic liquids:
thermodynamic study of thymol in six pure
green solvents:

<https://www.doi.org/10.1016/j.jct.2013.10.036>

<https://www.doi.org/10.1016/j.jct.2015.09.010>

<http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Liquid pharmaceuticals formulation by
eutectic formation:
(Solid + liquid) equilibrium phase
diagrams in binary mixtures containing
terpenes: New experimental data and
analysis of several modelling strategies
with modified GUN-AC (Dortmund) and
methanol and deep eutectic solvents
composed of carboxylic acid and
monocyclic terpenes:

<https://www.doi.org/10.1016/j.fluid.2017.05.009>

<https://www.doi.org/10.1016/j.fluid.2015.12.048>

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C89838&Units=SI>

<https://www.doi.org/10.1016/j.fluid.2018.08.020>

https://en.wikipedia.org/wiki/Joback_method

Legend

chs:	Standard solid enthalpy of combustion
cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfs:	Solid phase enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hfust:	Enthalpy of fusion at a given temperature
hsub:	Enthalpy of sublimation at standard conditions
hsubt:	Enthalpy of sublimation at a given temperature
hvap:	Enthalpy of vaporization at standard conditions
hvapt:	Enthalpy of vaporization at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
pvap:	Vapor pressure
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

Latest version available from:

<https://www.cheméo.com/cid/50-562-2/Thymol.pdf>

Generated by Cheméo on 2025-12-05 12:54:10.357687974 +0000 UTC m=+4687447.887728629.

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