

Anthracene

Other names:	Anthracen
	Anthracene oil
	Anthracin
	Coal tar pitch volatiles:anthracene
	GREENOIL
	Green Oil
	Paranaphthalene
	Sterilite hop defoliant
	Tetra Olive N2G
	p-Naphthalene
Inchi:	InChI=1S/C14H10/c1-2-6-12-10-14-8-4-3-7-13(14)9-11(12)5-1/h1-10H
InchiKey:	MWPLVEDNUUSJAV-UHFFFAOYSA-N
Formula:	C14H10
SMILES:	c1ccc2cc3ccccc3cc2c1
Mol. weight [g/mol]:	178.23
CAS:	120-12-7

Physical Properties

Property code	Value	Unit	Source
affp	877.30	kJ/mol	NIST Webbook
affp	869.40	kJ/mol	NIST Webbook
aigt	813.15	K	KDB
basg	846.60	kJ/mol	NIST Webbook
basg	842.70	kJ/mol	NIST Webbook
dm	0.00	debye	KDB
ea	0.48 ± 0.04	eV	NIST Webbook
ea	0.56 ± 0.01	eV	NIST Webbook
ea	0.66 ± 0.06	eV	NIST Webbook
ea	0.60 ± 0.10	eV	NIST Webbook
ea	0.53 ± 0.01	eV	NIST Webbook
ea	0.57 ± 0.02	eV	NIST Webbook
ea	0.53 ± 0.02	eV	NIST Webbook
ea	0.42	eV	NIST Webbook
gf	383.08	kJ/mol	Joback Method
hf	224.80	kJ/mol	KDB

hfus	27.39	kJ/mol	Thermodynamic study of (anthracene + phenanthrene) solid state mixtures
hfus	100.60	kJ/mol	New Knudsen effusion apparatus with simultaneous gravimetric and quartz crystal microbalance mass loss detection
hfus	101.80	kJ/mol	New Knudsen effusion apparatus with simultaneous gravimetric and quartz crystal microbalance mass loss detection
hvap	79.60	kJ/mol	NIST Webbook
hvap	78.50	kJ/mol	NIST Webbook
hvap	79.50 ± 1.20	kJ/mol	NIST Webbook
hvap	79.10	kJ/mol	NIST Webbook
hvap	79.80	kJ/mol	NIST Webbook
ie	7.42 ± 0.02	eV	NIST Webbook
ie	7.37	eV	NIST Webbook
ie	7.35	eV	NIST Webbook
ie	7.40	eV	NIST Webbook
ie	7.40	eV	NIST Webbook
ie	7.43	eV	NIST Webbook
ie	7.20	eV	NIST Webbook
ie	7.42	eV	NIST Webbook
ie	7.41 ± 0.02	eV	NIST Webbook
ie	7.50	eV	NIST Webbook
ie	7.41	eV	NIST Webbook
ie	7.40	eV	NIST Webbook
ie	7.41	eV	NIST Webbook
ie	7.47 ± 0.01	eV	NIST Webbook
ie	7.40	eV	NIST Webbook
ie	7.47 ± 0.01	eV	NIST Webbook
ie	7.41 ± 0.05	eV	NIST Webbook
ie	7.40	eV	NIST Webbook
ie	7.47	eV	NIST Webbook
ie	7.47	eV	NIST Webbook
ie	7.45 ± 0.05	eV	NIST Webbook
ie	7.43	eV	NIST Webbook
ie	7.47	eV	NIST Webbook
ie	7.44 ± 0.01	eV	NIST Webbook
ie	7.44 ± 0.01	eV	NIST Webbook
ie	21.10	eV	NIST Webbook
ie	7.41	eV	NIST Webbook
ie	7.40	eV	NIST Webbook

ie	7.40	eV	NIST Webbook
ie	7.44 ± 0.03	eV	NIST Webbook
ie	7.40	eV	NIST Webbook
ie	7.23	eV	NIST Webbook
ie	7.55	eV	NIST Webbook
ie	7.15	eV	NIST Webbook
ie	7.43 ± 0.03	eV	NIST Webbook
log10ws	-6.35		Estimated Solubility Method
log10ws	-6.44		Aqueous Solubility Prediction Method
logp	3.993		Crippen Method
mcvol	145.440	ml/mol	McGowan Method
nfpaf	%!d(float64=1)		KDB
pc	3243.03	kPa	Joback Method
rinpol	1770.90		NIST Webbook
rinpol	1773.00		NIST Webbook
rinpol	1778.00		NIST Webbook
rinpol	1754.20		NIST Webbook
rinpol	1744.40		NIST Webbook
rinpol	1750.00		NIST Webbook
rinpol	1754.97		NIST Webbook
rinpol	1793.42		NIST Webbook
rinpol	1734.00		NIST Webbook
rinpol	1771.00		NIST Webbook
rinpol	1733.00		NIST Webbook
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rinpol	1766.00	NIST Webbook
rinpol	1754.00	NIST Webbook
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rinpol	301.59	NIST Webbook
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rinpol	301.54	NIST Webbook
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rinpol	301.60	NIST Webbook
rinpol	301.50	NIST Webbook
rinpol	302.00	NIST Webbook
rinpol	301.16	NIST Webbook
rinpol	301.38	NIST Webbook
rinpol	301.69	NIST Webbook
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rinpol	301.17	NIST Webbook

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rinpol	1782.28	NIST Webbook
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rinpol	1804.00		NIST Webbook
rinpol	301.48		NIST Webbook
rinpol	1749.00		NIST Webbook
ripol	2740.00		NIST Webbook
ripol	2740.00		NIST Webbook
ripol	300.41		NIST Webbook
ripol	2740.00		NIST Webbook
ripol	2728.00		NIST Webbook
ripol	2746.00		NIST Webbook
ripol	2733.00		NIST Webbook
ss	207.50	J/mol×K	NIST Webbook
ss	207.15	J/mol×K	NIST Webbook
ss	207.15	J/mol×K	NIST Webbook
tb	613.00	K	NIST Webbook
tb	613.20	K	NIST Webbook
tb	613.10 ± 0.30	K	NIST Webbook
tb	613.00 ± 5.00	K	NIST Webbook
tb	615.00	K	KDB

tc	869.30	K	KDB
tc	894.00	K	Critical point measurement of some polycyclic aromatic hydrocarbons
tf	489.70	K	Isothermal Thermogravimetric Study for Determining Sublimation Enthalpies of Some Hydroxyflavones
tf	488.00	K	Solubility of Anthracene in Binary and Ternary Mixtures of Cyclohexanone, Ethyl Acetate, and Methanol at 298.2 K
tf	488.00	K	Solubility of Anthracene in C1-C3 Alcohols from (298.2 to 333.2) K and Their Mixtures with 2-Propanone at 298.2 K
tf	489.00	K	Solubility of Anthracene in Binary Diisopropyl Ether + Alkane Solvent Mixtures at 298.15 K
tf	490.15	K	Solubility of Collinin and Isocollinin in Pressurized Carbon Dioxide: Synthesis, Solubility Parameters, and Equilibrium Measurements
tf	490.05	K	Thermochemical and vapor pressure behavior of anthracene and brominated anthracene mixtures
tf	489.70	K	KDB
tf	489.34	K	Aqueous Solubility Prediction Method
tt	488.93 ± 0.01	K	NIST Webbook
vc	0.554	m3/kmol	KDB

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	406.65	J/mol×K	843.18	Joback Method
cpg	396.94	J/mol×K	800.87	Joback Method
cpg	386.47	J/mol×K	758.56	Joback Method
cpg	375.10	J/mol×K	716.26	Joback Method
cpg	362.69	J/mol×K	673.95	Joback Method
cpg	349.09	J/mol×K	631.65	Joback Method
cpg	334.16	J/mol×K	589.34	Joback Method

cps	207.10	J/mol×K	297.20	NIST Webbook
cps	217.50	J/mol×K	298.15	NIST Webbook
cps	210.50	J/mol×K	298.15	NIST Webbook
cps	210.50	J/mol×K	298.15	NIST Webbook
cps	211.70	J/mol×K	298.15	NIST Webbook
cps	221.80	J/mol×K	298.15	NIST Webbook
dvisc	0.0014969	Pa×s	351.88	Joback Method
dvisc	0.0011180	Pa×s	391.46	Joback Method
dvisc	0.0004678	Pa×s	589.34	Joback Method
dvisc	0.0005296	Pa×s	549.76	Joback Method
dvisc	0.0006112	Pa×s	510.19	Joback Method
dvisc	0.0007226	Pa×s	470.61	Joback Method
dvisc	0.0008810	Pa×s	431.03	Joback Method
hfust	29.37	kJ/mol	488.93	NIST Webbook
hfust	28.87	kJ/mol	489.70	NIST Webbook
hfust	28.83	kJ/mol	490.00	NIST Webbook
hfust	29.37	kJ/mol	488.90	NIST Webbook
hfust	29.37	kJ/mol	488.90	NIST Webbook
hfust	28.80	kJ/mol	489.40	NIST Webbook
hfust	31.50	kJ/mol	491.00	NIST Webbook
hfust	29.80	kJ/mol	483.00	NIST Webbook
hsubt	84.10	kJ/mol	324.00	NIST Webbook
hsubt	93.30 ± 0.80	kJ/mol	353.00	NIST Webbook
hsubt	97.90 ± 0.60	kJ/mol	337.50	NIST Webbook
hsubt	97.60 ± 1.30	kJ/mol	369.00	NIST Webbook
hsubt	95.60 ± 1.20	kJ/mol	337.00	NIST Webbook
hsubt	97.30 ± 1.20	kJ/mol	388.00	NIST Webbook
hsubt	90.40	kJ/mol	353.00	NIST Webbook
hsubt	92.00 ± 2.10	kJ/mol	364.00	NIST Webbook
hsubt	97.00 ± 2.00	kJ/mol	396.00	NIST Webbook
hsubt	98.00 ± 2.00	kJ/mol	408.50	NIST Webbook
hsubt	100.00 ± 2.80	kJ/mol	340.50	NIST Webbook
hsubt	102.09	kJ/mol	338.70	NIST Webbook
hsubt	102.10	kJ/mol	346.00	NIST Webbook
hsubt	102.10 ± 2.10	kJ/mol	345.50	NIST Webbook
hsubt	103.30 ± 2.90	kJ/mol	303.00	NIST Webbook
hsubt	103.40 ± 2.90	kJ/mol	338.00	NIST Webbook
hsubt	90.00 ± 1.30	kJ/mol	336.50	NIST Webbook
hsubt	98.30 ± 2.10	kJ/mol	350.50	NIST Webbook
hsubt	98.49	kJ/mol	342.00	NIST Webbook
hsubt	91.20	kJ/mol	338.00	NIST Webbook
hsubt	99.70	kJ/mol	393.00	NIST Webbook
hsubt	101.00 ± 0.50	kJ/mol	392.50	NIST Webbook
hsubt	97.20	kJ/mol	350.00	NIST Webbook

hsubt	98.80 ± 0.40	kJ/mol	405.50	NIST Webbook
hsubt	94.80	kJ/mol	375.50	NIST Webbook
hsubt	91.80 ± 0.90	kJ/mol	303.00	NIST Webbook
hsubt	94.30	kJ/mol	376.00	NIST Webbook
hsubt	98.70	kJ/mol	345.50	NIST Webbook
hsubt	102.60	kJ/mol	338.00	NIST Webbook
hsubt	99.70	kJ/mol	383.00	NIST Webbook
hsubt	93.30 ± 4.20	kJ/mol	353.00	NIST Webbook
hsubt	102.50	kJ/mol	345.50	NIST Webbook
hsubt	94.50	kJ/mol	455.50	NIST Webbook
hsubt	96.00 ± 6.00	kJ/mol	303.00	NIST Webbook
hsubt	102.50 ± 1.90	kJ/mol	358.00	NIST Webbook
hsubt	98.80 ± 0.40	kJ/mol	350.00	NIST Webbook
hsubt	98.40 ± 0.70	kJ/mol	335.00	NIST Webbook
hvapt	60.70	kJ/mol	555.00	NIST Webbook
hvapt	59.60	kJ/mol	555.00	NIST Webbook
hvapt	60.30	kJ/mol	558.00	NIST Webbook
hvapt	62.10	kJ/mol	500.00	NIST Webbook
hvapt	58.60	kJ/mol	559.50	NIST Webbook
hvapt	69.70	kJ/mol	398.00	NIST Webbook
hvapt	72.40	kJ/mol	398.00	NIST Webbook
hvapt	66.70	kJ/mol	498.00	NIST Webbook
hvapt	78.49	kJ/mol	298.00	Enthalpies of Vaporization and Vapor Pressures of Some Deuterated Hydrocarbons. Liquid-Vapor Pressure Isotope Effects
hvapt	95.10	kJ/mol	453.15	Comment on Studies on Thermodynamic Properties of FOX-7 and Its Five Closed-Loop Derivatives
hvapt	98.80	kJ/mol	390.00	Evaluation of sublimation enthalpy by thermogravimetry: Analysis of the diffusion effects in the case of methyl and phenyl substituted hydantoins
hvapt	59.20	kJ/mol	558.00	NIST Webbook

psub	6.40e-04	kPa	359.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
psub	9.30e-05	kPa	337.20	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	9.50e-05	kPa	337.20	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	8.60e-05	kPa	337.20	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	9.00e-05	kPa	337.20	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	8.80e-05	kPa	337.20	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	9.80e-05	kPa	337.20	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	2.38e-04	kPa	345.77	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	2.35e-04	kPa	345.77	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures

psub	2.37e-04	kPa	345.77	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	2.34e-04	kPa	345.77	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	2.27e-04	kPa	345.77	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
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psub	4.34e-04	kPa	352.86	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	4.82e-04	kPa	352.86	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	4.85e-04	kPa	352.86	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	4.55e-04	kPa	352.86	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures

psub	4.44e-04	kPa	352.86	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	4.73e-04	kPa	352.86	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	9.88e-04	kPa	360.64	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	9.80e-04	kPa	360.64	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	9.93e-04	kPa	360.64	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	9.42e-04	kPa	360.64	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	9.92e-04	kPa	360.64	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	1.92e-04	kPa	343.29	Reconciled thermophysical data for anthracene
psub	1.82e-04	kPa	343.30	Reconciled thermophysical data for anthracene
psub	1.97e-04	kPa	343.31	Reconciled thermophysical data for anthracene

psub	2.35e-04	kPa	345.76	Reconciled thermophysical data for anthracene
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psub	2.47e-04	kPa	345.79	Reconciled thermophysical data for anthracene
psub	3.17e-04	kPa	348.21	Reconciled thermophysical data for anthracene
psub	3.05e-04	kPa	348.21	Reconciled thermophysical data for anthracene
psub	2.97e-04	kPa	348.27	Reconciled thermophysical data for anthracene
psub	3.92e-04	kPa	350.75	Reconciled thermophysical data for anthracene
psub	4.01e-04	kPa	350.76	Reconciled thermophysical data for anthracene
psub	3.84e-04	kPa	350.79	Reconciled thermophysical data for anthracene
psub	4.79e-04	kPa	353.04	Reconciled thermophysical data for anthracene
psub	4.85e-04	kPa	353.04	Reconciled thermophysical data for anthracene
psub	4.98e-04	kPa	353.19	Reconciled thermophysical data for anthracene
psub	6.30e-04	kPa	355.68	Reconciled thermophysical data for anthracene
psub	6.26e-04	kPa	355.73	Reconciled thermophysical data for anthracene
psub	6.23e-04	kPa	355.74	Reconciled thermophysical data for anthracene

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psub	7.84e-04	kPa	358.15	Reconciled thermophysical data for anthracene	
psub	7.98e-04	kPa	358.18	Reconciled thermophysical data for anthracene	
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psub	9.98e-04	kPa	360.68	Reconciled thermophysical data for anthracene	
psub	1.23e-03	kPa	362.95	Reconciled thermophysical data for anthracene	
psub	1.23e-03	kPa	362.95	Reconciled thermophysical data for anthracene	
psub	1.24e-03	kPa	363.13	Reconciled thermophysical data for anthracene	
psub	1.55e-03	kPa	365.54	Reconciled thermophysical data for anthracene	
psub	1.55e-03	kPa	365.55	Reconciled thermophysical data for anthracene	
psub	1.56e-03	kPa	365.56	Reconciled thermophysical data for anthracene	
psub	1.93e-03	kPa	367.97	Reconciled thermophysical data for anthracene	
psub	1.95e-03	kPa	367.97	Reconciled thermophysical data for anthracene	

psub	1.94e-03	kPa	367.98	Reconciled thermophysical data for anthracene
psub	2.40e-03	kPa	370.43	Reconciled thermophysical data for anthracene
psub	2.42e-03	kPa	370.44	Reconciled thermophysical data for anthracene
psub	2.41e-03	kPa	370.44	Reconciled thermophysical data for anthracene
psub	2.98e-03	kPa	372.85	Reconciled thermophysical data for anthracene
psub	2.97e-03	kPa	372.89	Reconciled thermophysical data for anthracene
psub	2.98e-03	kPa	372.89	Reconciled thermophysical data for anthracene
psub	1.79e-07	kPa	284.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
psub	3.52e-07	kPa	289.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
psub	6.77e-07	kPa	294.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
psub	1.27e-06	kPa	299.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis

psub	2.35e-06	kPa	304.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
psub	4.25e-06	kPa	309.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
psub	7.54e-06	kPa	314.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
psub	1.31e-05	kPa	319.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
psub	2.25e-05	kPa	324.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
psub	3.79e-05	kPa	329.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
psub	6.29e-05	kPa	334.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
psub	1.03e-04	kPa	339.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
psub	1.66e-04	kPa	344.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis

psub	2.63e-04	kPa	349.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
psub	4.13e-04	kPa	354.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
psub	3.90e-05	kPa	328.88	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	9.79e-04	kPa	364.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
psub	1.48e-03	kPa	369.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
psub	2.22e-03	kPa	374.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
psub	3.28e-03	kPa	379.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
psub	4.81e-03	kPa	384.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis

psub	6.98e-03	kPa	389.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
psub	3.70e-05	kPa	328.88	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	0.01	kPa	399.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
psub	0.02	kPa	404.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
psub	0.03	kPa	409.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
psub	0.04	kPa	414.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
psub	0.05	kPa	419.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
psub	0.07	kPa	424.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
psub	0.10	kPa	429.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis

psub	0.14	kPa	434.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
psub	0.18	kPa	439.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
psub	0.24	kPa	444.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
psub	0.32	kPa	449.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
psub	0.42	kPa	454.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
psub	0.55	kPa	459.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
psub	0.71	kPa	464.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
psub	0.92	kPa	469.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis

psub	1.18	kPa	474.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
psub	1.51	kPa	479.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
psub	1.92	kPa	484.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
psub	2.42	kPa	489.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
psub	3.05	kPa	494.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
psub	3.83	kPa	499.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
psub	4.77	kPa	504.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
psub	5.93	kPa	509.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis

psub	1.76e-05	kPa	320.20	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	1.91e-05	kPa	321.20	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	2.47e-05	kPa	323.00	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	3.14e-05	kPa	326.10	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	3.47e-05	kPa	326.60	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	4.55e-05	kPa	328.20	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	5.56e-05	kPa	330.80	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method

psub	5.39e-05	kPa	331.50	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	6.52e-05	kPa	331.80	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	7.73e-05	kPa	333.30	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	7.28e-05	kPa	334.30	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	8.46e-05	kPa	334.60	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	1.07e-04	kPa	336.00	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	1.13e-04	kPa	337.20	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method

psub	1.33e-04	kPa	338.50	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	1.51e-04	kPa	340.10	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	1.33e-04	kPa	340.10	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	1.70e-04	kPa	341.20	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	1.96e-04	kPa	342.70	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	1.77e-04	kPa	343.00	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	2.32e-04	kPa	343.70	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method

psub	2.52e-04	kPa	345.50	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	2.32e-04	kPa	345.60	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	2.92e-04	kPa	346.40	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	3.20e-04	kPa	347.80	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	3.13e-04	kPa	348.60	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	4.15e-04	kPa	350.80	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	3.98e-04	kPa	351.30	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method

psub	4.11e-04	kPa	351.60	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	5.22e-04	kPa	354.10	Vapor Pressure Characterization of Several Phenolics and Polyhydric Compounds by Knudsen Effusion Method
psub	2.79e-06	kPa	308.62	Measurement of Vapor Pressures of Selected PBDEs, Hexabromobenzene, and 1,2-Bis(2,4,6-tribromophenoxy)ethane at Elevated Temperatures
psub	5.41e-06	kPa	313.70	Measurement of Vapor Pressures of Selected PBDEs, Hexabromobenzene, and 1,2-Bis(2,4,6-tribromophenoxy)ethane at Elevated Temperatures
psub	1.83e-05	kPa	323.59	Measurement of Vapor Pressures of Selected PBDEs, Hexabromobenzene, and 1,2-Bis(2,4,6-tribromophenoxy)ethane at Elevated Temperatures
psub	5.99e-05	kPa	333.63	Measurement of Vapor Pressures of Selected PBDEs, Hexabromobenzene, and 1,2-Bis(2,4,6-tribromophenoxy)ethane at Elevated Temperatures
psub	1.64e-04	kPa	343.60	Measurement of Vapor Pressures of Selected PBDEs, Hexabromobenzene, and 1,2-Bis(2,4,6-tribromophenoxy)ethane at Elevated Temperatures

psub	1.60e-05	kPa	322.20	Vapor Pressures and Enthalpies of Sublimation of Ten Polycyclic Aromatic Hydrocarbons Determined via the Knudsen Effusion Method
psub	2.60e-05	kPa	327.00	Vapor Pressures and Enthalpies of Sublimation of Ten Polycyclic Aromatic Hydrocarbons Determined via the Knudsen Effusion Method
psub	3.33e-05	kPa	329.10	Vapor Pressures and Enthalpies of Sublimation of Ten Polycyclic Aromatic Hydrocarbons Determined via the Knudsen Effusion Method
psub	4.91e-05	kPa	333.40	Vapor Pressures and Enthalpies of Sublimation of Ten Polycyclic Aromatic Hydrocarbons Determined via the Knudsen Effusion Method
psub	7.20e-05	kPa	336.30	Vapor Pressures and Enthalpies of Sublimation of Ten Polycyclic Aromatic Hydrocarbons Determined via the Knudsen Effusion Method
psub	9.43e-05	kPa	338.70	Vapor Pressures and Enthalpies of Sublimation of Ten Polycyclic Aromatic Hydrocarbons Determined via the Knudsen Effusion Method
psub	1.10e-04	kPa	340.40	Vapor Pressures and Enthalpies of Sublimation of Ten Polycyclic Aromatic Hydrocarbons Determined via the Knudsen Effusion Method

psub	1.19e-04	kPa	341.20	Vapor Pressures and Enthalpies of Sublimation of Ten Polycyclic Aromatic Hydrocarbons Determined via the Knudsen Effusion Method
psub	1.31e-04	kPa	342.30	Vapor Pressures and Enthalpies of Sublimation of Ten Polycyclic Aromatic Hydrocarbons Determined via the Knudsen Effusion Method
psub	1.41e-04	kPa	343.60	Vapor Pressures and Enthalpies of Sublimation of Ten Polycyclic Aromatic Hydrocarbons Determined via the Knudsen Effusion Method
psub	1.64e-04	kPa	344.20	Vapor Pressures and Enthalpies of Sublimation of Ten Polycyclic Aromatic Hydrocarbons Determined via the Knudsen Effusion Method
psub	1.92e-04	kPa	346.40	Vapor Pressures and Enthalpies of Sublimation of Ten Polycyclic Aromatic Hydrocarbons Determined via the Knudsen Effusion Method
psub	2.60e-04	kPa	348.20	Vapor Pressures and Enthalpies of Sublimation of Ten Polycyclic Aromatic Hydrocarbons Determined via the Knudsen Effusion Method
psub	1.30e-05	kPa	319.60	Sublimation Thermodynamic Parameters for Cholesterol, Ergosterol,

psub	1.29e-05	kPa	319.60	Sublimation Thermodynamic Parameters for Cholesterol, Ergosterol,
psub	2.14e-05	kPa	323.90	Sublimation Thermodynamic Parameters for Cholesterol, Ergosterol,
psub	3.04e-05	kPa	326.80	Sublimation Thermodynamic Parameters for Cholesterol, Ergosterol,
psub	3.00e-05	kPa	326.90	Sublimation Thermodynamic Parameters for Cholesterol, Ergosterol,
psub	5.29e-05	kPa	331.70	Sublimation Thermodynamic Parameters for Cholesterol, Ergosterol,
psub	5.32e-05	kPa	332.10	Sublimation Thermodynamic Parameters for Cholesterol, Ergosterol,
psub	5.41e-05	kPa	332.20	Sublimation Thermodynamic Parameters for Cholesterol, Ergosterol,
psub	6.51e-05	kPa	334.00	Sublimation Thermodynamic Parameters for Cholesterol, Ergosterol,
psub	6.59e-05	kPa	334.20	Sublimation Thermodynamic Parameters for Cholesterol, Ergosterol,
psub	9.16e-05	kPa	337.00	Sublimation Thermodynamic Parameters for Cholesterol, Ergosterol,
psub	1.13e-04	kPa	339.40	Sublimation Thermodynamic Parameters for Cholesterol, Ergosterol,
psub	1.49e-04	kPa	342.00	Sublimation Thermodynamic Parameters for Cholesterol, Ergosterol,

psub	3.16e-04	kPa	349.70	Sublimation Thermodynamic Parameters for Cholesterol, Ergosterol,
psub	3.12e-04	kPa	349.70	Sublimation Thermodynamic Parameters for Cholesterol, Ergosterol,
psub	5.08e-04	kPa	354.80	Sublimation Thermodynamic Parameters for Cholesterol, Ergosterol,
psub	1.04e-04	kPa	339.25	Thermal Stability, Sublimation Pressures, and Diffusion Coefficients of Anthracene, Pyrene, and Some Metal beta-Diketonates
psub	2.89e-04	kPa	348.35	Thermal Stability, Sublimation Pressures, and Diffusion Coefficients of Anthracene, Pyrene, and Some Metal beta-Diketonates
psub	9.78e-04	kPa	360.45	Thermal Stability, Sublimation Pressures, and Diffusion Coefficients of Anthracene, Pyrene, and Some Metal beta-Diketonates
psub	1.58e-03	kPa	365.66	Thermal Stability, Sublimation Pressures, and Diffusion Coefficients of Anthracene, Pyrene, and Some Metal beta-Diketonates
psub	1.18e-03	kPa	369.85	Thermal Stability, Sublimation Pressures, and Diffusion Coefficients of Anthracene, Pyrene, and Some Metal beta-Diketonates

psub	3.11e-03	kPa	373.95	Thermal Stability, Sublimation Pressures, and Diffusion Coefficients of Anthracene, Pyrene, and Some Metal beta-Diketonates
psub	3.58e-03	kPa	376.95	Thermal Stability, Sublimation Pressures, and Diffusion Coefficients of Anthracene, Pyrene, and Some Metal beta-Diketonates
psub	4.16e-03	kPa	379.55	Thermal Stability, Sublimation Pressures, and Diffusion Coefficients of Anthracene, Pyrene, and Some Metal beta-Diketonates
psub	5.77e-04	kPa	383.95	Thermal Stability, Sublimation Pressures, and Diffusion Coefficients of Anthracene, Pyrene, and Some Metal beta-Diketonates
psub	8.13e-03	kPa	386.45	Thermal Stability, Sublimation Pressures, and Diffusion Coefficients of Anthracene, Pyrene, and Some Metal beta-Diketonates
psub	8.75e-03	kPa	389.05	Thermal Stability, Sublimation Pressures, and Diffusion Coefficients of Anthracene, Pyrene, and Some Metal beta-Diketonates
psub	9.62e-03	kPa	389.05	Thermal Stability, Sublimation Pressures, and Diffusion Coefficients of Anthracene, Pyrene, and Some Metal beta-Diketonates

psub	0.01	kPa	392.95	Thermal Stability, Sublimation Pressures, and Diffusion Coefficients of Anthracene, Pyrene, and Some Metal beta-Diketonates
psub	0.01	kPa	393.75	Thermal Stability, Sublimation Pressures, and Diffusion Coefficients of Anthracene, Pyrene, and Some Metal beta-Diketonates
psub	0.01	kPa	393.75	Thermal Stability, Sublimation Pressures, and Diffusion Coefficients of Anthracene, Pyrene, and Some Metal beta-Diketonates
psub	0.02	kPa	398.05	Thermal Stability, Sublimation Pressures, and Diffusion Coefficients of Anthracene, Pyrene, and Some Metal beta-Diketonates
psub	0.02	kPa	398.55	Thermal Stability, Sublimation Pressures, and Diffusion Coefficients of Anthracene, Pyrene, and Some Metal beta-Diketonates
psub	0.02	kPa	398.55	Thermal Stability, Sublimation Pressures, and Diffusion Coefficients of Anthracene, Pyrene, and Some Metal beta-Diketonates
psub	3.90e-05	kPa	328.88	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures

psub	4.00e-05	kPa	328.88	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	3.90e-05	kPa	328.88	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	3.70e-05	kPa	328.88	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	4.00e-05	kPa	328.88	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	1.80e-05	kPa	321.79	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	1.90e-05	kPa	321.79	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	1.80e-05	kPa	321.79	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	1.80e-05	kPa	321.79	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures
psub	1.70e-05	kPa	321.79	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures

psub	1.70e-05	kPa	321.79	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures	
psub	9.80e-04	kPa	360.38	The design, construction, and testing of a new Knudsen effusion apparatus	
psub	1.01e-03	kPa	360.38	The design, construction, and testing of a new Knudsen effusion apparatus	
psub	8.10e-04	kPa	358.22	The design, construction, and testing of a new Knudsen effusion apparatus	
psub	8.21e-04	kPa	358.22	The design, construction, and testing of a new Knudsen effusion apparatus	
psub	8.15e-04	kPa	358.22	The design, construction, and testing of a new Knudsen effusion apparatus	
psub	6.58e-04	kPa	356.20	The design, construction, and testing of a new Knudsen effusion apparatus	
psub	6.79e-04	kPa	356.20	The design, construction, and testing of a new Knudsen effusion apparatus	
psub	6.73e-04	kPa	356.20	The design, construction, and testing of a new Knudsen effusion apparatus	
psub	5.54e-04	kPa	354.06	The design, construction, and testing of a new Knudsen effusion apparatus	
psub	5.48e-04	kPa	354.06	The design, construction, and testing of a new Knudsen effusion apparatus	

psub	5.50e-04	kPa	354.06	The design, construction, and testing of a new Knudsen effusion apparatus
psub	4.58e-04	kPa	352.39	The design, construction, and testing of a new Knudsen effusion apparatus
psub	4.59e-04	kPa	352.39	The design, construction, and testing of a new Knudsen effusion apparatus
psub	4.64e-04	kPa	352.39	The design, construction, and testing of a new Knudsen effusion apparatus
psub	3.76e-04	kPa	350.15	The design, construction, and testing of a new Knudsen effusion apparatus
psub	3.71e-04	kPa	350.15	The design, construction, and testing of a new Knudsen effusion apparatus
psub	3.75e-04	kPa	350.15	The design, construction, and testing of a new Knudsen effusion apparatus
psub	3.08e-04	kPa	348.15	The design, construction, and testing of a new Knudsen effusion apparatus
psub	3.04e-04	kPa	348.15	The design, construction, and testing of a new Knudsen effusion apparatus
psub	3.06e-04	kPa	348.15	The design, construction, and testing of a new Knudsen effusion apparatus
psub	2.58e-04	kPa	346.40	The design, construction, and testing of a new Knudsen effusion apparatus
psub	2.63e-04	kPa	346.40	The design, construction, and testing of a new Knudsen effusion apparatus

psub	2.62e-04	kPa	346.40	The design, construction, and testing of a new Knudsen effusion apparatus
psub	2.06e-04	kPa	344.06	The design, construction, and testing of a new Knudsen effusion apparatus
psub	2.11e-04	kPa	344.06	The design, construction, and testing of a new Knudsen effusion apparatus
psub	1.73e-04	kPa	342.25	The design, construction, and testing of a new Knudsen effusion apparatus
psub	1.72e-04	kPa	342.25	The design, construction, and testing of a new Knudsen effusion apparatus
psub	1.41e-04	kPa	340.41	The design, construction, and testing of a new Knudsen effusion apparatus
psub	1.44e-04	kPa	340.41	The design, construction, and testing of a new Knudsen effusion apparatus
psub	1.43e-04	kPa	340.41	The design, construction, and testing of a new Knudsen effusion apparatus
psub	1.67e-04	kPa	342.25	The design, construction, and testing of a new Knudsen effusion apparatus
psub	0.01	kPa	394.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
psub	1.03e-04	kPa	337.20	Development and test of a new Knudsen effusion apparatus for the measurement of low vapour pressures

pvap	5.79	kPa	494.00	Enthalpies of fusion, vaporisation and sublimation of crown ethers determined by thermogravimetry and differential scanning calorimetry
pvap	6.24	kPa	496.00	Enthalpies of fusion, vaporisation and sublimation of crown ethers determined by thermogravimetry and differential scanning calorimetry
pvap	6.71	kPa	498.00	Enthalpies of fusion, vaporisation and sublimation of crown ethers determined by thermogravimetry and differential scanning calorimetry
pvap	10.31	kPa	512.00	Enthalpies of fusion, vaporisation and sublimation of crown ethers determined by thermogravimetry and differential scanning calorimetry
pvap	9.77	kPa	510.00	Enthalpies of fusion, vaporisation and sublimation of crown ethers determined by thermogravimetry and differential scanning calorimetry
pvap	9.23	kPa	508.00	Enthalpies of fusion, vaporisation and sublimation of crown ethers determined by thermogravimetry and differential scanning calorimetry

pvap	8.69	kPa	506.00	Enthalpies of fusion, vaporisation and sublimation of crown ethers determined by thermogravimetry and differential scanning calorimetry
pvap	8.17	kPa	504.00	Enthalpies of fusion, vaporisation and sublimation of crown ethers determined by thermogravimetry and differential scanning calorimetry
pvap	7.66	kPa	502.00	Enthalpies of fusion, vaporisation and sublimation of crown ethers determined by thermogravimetry and differential scanning calorimetry
pvap	7.17	kPa	500.00	Enthalpies of fusion, vaporisation and sublimation of crown ethers determined by thermogravimetry and differential scanning calorimetry
sfust	60.07	J/mol×K	488.93	NIST Webbook
sfust	58.00	J/mol×K	490.00	NIST Webbook
sfust	59.00	J/mol×K	489.70	NIST Webbook

Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	7.28449e+00
Coeff. B	-7.34909e+02
Coeff. C	-3.37556e+02
Temperature range (K), min.	442.59

Solubilities of Organic Semiconductors and Nonsteroidal Anti-inflammatory Drugs in Supercritical Fluids
Thermal Stability and Sublimation Pressures and Diffusion Coefficients of Anthracene, Pyrene, and Carbazole in Compressed Isobutane, Anthracene, and Pyrene in Water At 50 To 300 C:

<https://www.doi.org/10.1021/acs.jced.8b00536>

Measuring the Solubility of Anthracene and Chrysene in Supercritical Fluid
Solubility of Anthracene in Binary Solvents: Acetone + Methyl Acetate, Acetone + Methyl Propyl Ketone, and Acetone + Methyl Ethyl Ketone
Solubility of Anthracene in Binary Alcohol + Acetonitrile Solvent Mixtures
Diffusion Binary Diffusion Coefficients of Hydrotreating McGowan Method
Solubility of Anthracene in the Temperature Range from (310 to 475) K:

<https://www.doi.org/10.1021/acs.jced.7b00857>

<https://www.doi.org/10.1021/je700502x>

<https://www.doi.org/10.1021/je800091s>

<https://www.doi.org/10.1021/acs.jced.9b00234>

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

<https://www.doi.org/10.1021/je0201727>

<https://www.doi.org/10.1021/je700535q>

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

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C120127&Units=SI>

Vapor Pressure Characterization of Several Phenolics and Polyhydric Solvents in Binary Solvent Mixtures: Anthracene Dissolved in Alcohol + Carbon Tetrachloride Mixtures
polycyclic aromatic hydrocarbons: Reconciled thermophysical data for anthracene: Thermodynamic Functions for Transfer of Anthracene from Water to (Water + Solid liquid phase equilibrium of 9-fluorenone and several polynuclear Measurement of Vapor Pressures of Selected PBDEs, Hexabromobenzene, and Solubility of Solid Polycyclic Aromatic Hydrocarbons in Pressurized Hot Water
Evaluation of Sublimation and Effusion Methods for the Determination of Vapor Pressures of Anthracene Dissolved in Alcohol + Determination of Vapor Pressure and thermal decomposition using thermogravimetric analysis
Evaluation of the effects of anthracene on the solubility of anthracene
Calibration and test of an aneroid mini-bomb combustion calorimeter: New Knudsen effusion apparatus with simultaneous gravimetric and quartz crystal microbalance mass loss detection:

<https://www.doi.org/10.1021/je050293h>

<https://www.doi.org/10.1021/je0301904>

<https://www.doi.org/10.1016/j.jct.2014.09.004>

<https://www.doi.org/10.1016/j.jct.2018.08.034>

<https://www.doi.org/10.1021/je034016r>

<https://www.doi.org/10.1016/j.fluid.2012.01.017>

<https://www.doi.org/10.1021/je400520e>

<https://www.doi.org/10.1021/je050427r>

<https://www.doi.org/10.1016/j.tca.2017.06.024>

<https://www.doi.org/10.1016/j.jct.2011.07.003>

<https://www.doi.org/10.1021/je020216b>

<https://www.doi.org/10.1016/j.tca.2015.03.020>

<https://www.doi.org/10.1016/j.jct.2010.06.006>

<https://www.doi.org/10.1016/j.jct.2006.10.013>

<https://www.doi.org/10.1016/j.jct.2010.12.022>

Legend

affp:	Proton affinity
aigt:	Autoignition Temperature
basg:	Gas basicity
cpg:	Ideal gas heat capacity
cps:	Solid phase heat capacity
dm:	Dipole Moment
dvisc:	Dynamic viscosity
ea:	Electron affinity
gf:	Standard Gibbs free energy of formation

hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hfust:	Enthalpy of fusion at a given temperature
hsubt:	Enthalpy of sublimation at a given temperature
hvap:	Enthalpy of vaporization at standard conditions
hvapt:	Enthalpy of vaporization at a given temperature
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
nfpaf:	NFPA Fire Rating
pc:	Critical Pressure
psub:	Sublimation pressure
pvap:	Vapor pressure
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
sfust:	Entropy of fusion at a given temperature
ss:	Solid phase molar entropy at standard conditions
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
tt:	Triple Point Temperature
vc:	Critical Volume

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