

P-sec-amyl phenol

Inchi:	InChI=1S/C11H16O/c1-3-4-9(2)10-5-7-11(12)8-6-10/h5-9,12H,3-4H2,1-2H3
InchiKey:	JTHGIRIGZAGNOX-UHFFFAOYSA-N
Formula:	C11H16O
SMILES:	CCCC(C)c1ccc(O)cc1
Mol. weight [g/mol]:	164.24
CAS:	94-06-4

Physical Properties

Property code	Value	Unit	Source
gf	-2.91	kJ/mol	Joback Method
hf	-216.43	kJ/mol	Joback Method
hfus	20.55	kJ/mol	Joback Method
hvap	54.98	kJ/mol	Joback Method
log10ws	-3.04		Crippen Method
logp	3.296		Crippen Method
mcvol	147.960	ml/mol	McGowan Method
pc	3135.00	kPa	Joback Method
tb	557.94	K	Joback Method
tc	777.32	K	Joback Method
tf	336.87	K	Joback Method
vc	0.503	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	357.97	J/mol×K	557.94	Joback Method
cpg	372.96	J/mol×K	594.50	Joback Method
cpg	386.96	J/mol×K	631.07	Joback Method
cpg	400.05	J/mol×K	667.63	Joback Method
cpg	412.32	J/mol×K	704.20	Joback Method
cpg	423.84	J/mol×K	740.76	Joback Method
cpg	434.70	J/mol×K	777.32	Joback Method
dvisc	0.0046044	Pa×s	336.87	Joback Method
dvisc	0.0014575	Pa×s	373.72	Joback Method

dvisc	0.0005672	Pa×s	410.56	Joback Method
dvisc	0.0002578	Pa×s	447.41	Joback Method
dvisc	0.0001322	Pa×s	484.25	Joback Method
dvisc	0.0000744	Pa×s	521.10	Joback Method
dvisc	0.0000452	Pa×s	557.94	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C94064&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

Latest version available from:

<https://www.chemeo.com/cid/51-859-2/P-sec-amyl-phenol.pdf>

Generated by Cheméo on 2025-12-05 14:45:17.792591704 +0000 UTC m=+4694115.322632358.

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