(3-Iodophenyl) methanol, ethyl ether

Inchi: InChI=1S/C9H11IO/c1-2-11-7-8-4-3-5-9(10)6-8/h3-6H,2,7H2,1H3
InchiKey: OSYGCJIBBWLFOG-UHFFFAOYSA-N
Formula: C9H11IO
SMILES: CCOCc1cccc(I)c1
Mol. weight [g/mol]: 262.09

Physical Properties

Property code	Value	Unit	Source
gf	80.80	kJ/mol	Joback Method
hf	-59.38	kJ/mol	Joback Method
hfus	18.31	kJ/mol	Joback Method
hvap	50.35	kJ/mol	Joback Method
log10ws	-3.42		Crippen Method
logp	2.828		Crippen Method
mcvol	145.600	ml/mol	McGowan Method
pc	3069.34	kPa	Joback Method
rinpol	1458.00		NIST Webbook
rinpol	1458.00		NIST Webbook
tb	552.54	K	Joback Method
tc	792.32	K	Joback Method
tf	310.42	K	Joback Method
vc	0.537	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	288.52	J/mol×K	552.54	Joback Method
cpg	301.23	J/mol×K	592.50	Joback Method
cpg	313.12	J/mol×K	632.47	Joback Method
cpg	324.23	J/mol×K	672.43	Joback Method
cpg	334.59	J/mol×K	712.40	Joback Method
cpg	344.23	J/mol×K	752.36	Joback Method
cpg	353.17	J/mol×K	792.32	Joback Method
dvisc	0.0021690	Pa×s	310.42	Joback Method

dvisc	0.0011910	Pa×s	350.77	Joback Method
dvisc	0.0007401	Pa×s	391.13	Joback Method
dvisc	0.0005027	Pa×s	431.48	Joback Method
dvisc	0.0003648	Pa×s	471.83	Joback Method
dvisc	0.0002785	Pa×s	512.19	Joback Method
dvisc	0.0002211	Pa×s	552.54	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U374570&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume