

Indoline, 6-fluoro-

Inchi:	InChI=1S/C8H8FN/c9-7-2-1-6-3-4-10-8(6)5-7/h1-2,5,10H,3-4H2
InchiKey:	PBLNKUULIMDAIC-UHFFFAOYSA-N
Formula:	C8H8FN
SMILES:	Fc1ccc2c(c1)NCC2
Mol. weight [g/mol]:	137.15
CAS:	2343-23-9

Physical Properties

Property code	Value	Unit	Source
gf	70.99	kJ/mol	Joback Method
hf	-60.02	kJ/mol	Joback Method
hfus	19.47	kJ/mol	Joback Method
hvap	43.17	kJ/mol	Joback Method
log10ws	-2.09		Crippen Method
logp	1.794		Crippen Method
mcvol	100.710	ml/mol	McGowan Method
pc	4205.63	kPa	Joback Method
tb	478.31	K	Joback Method
tc	704.18	K	Joback Method
tf	359.18	K	Joback Method
vc	0.389	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	205.88	J/molxK	478.31	Joback Method
cpg	218.05	J/molxK	515.96	Joback Method
cpg	229.40	J/molxK	553.60	Joback Method
cpg	239.98	J/molxK	591.25	Joback Method
cpg	249.82	J/molxK	628.89	Joback Method
cpg	258.99	J/molxK	666.54	Joback Method
cpg	267.54	J/molxK	704.18	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2343239&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

Legend

cpg:	Ideal gas heat capacity
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
mccvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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