

Acetamide, N-9H-fluoren-2-yl-N-hydroxy-

Other names:	Acetohydroxamic acid, N-fluoren-2-yl-N-Hydroxy-AAF N-Hydroxy-N-(2-fluorenyl)acetamide N-Hydroxy-2-(acetylamino)fluorene N-2-Fluorenyl-N-hydroxyacetamide N-2-Fluorenylacetohydroxamic acid 2-(N-Hydroxyacetamido)fluorene Acetamide, N-hydroxy-N-(2-fluorenyl)-Fluorenyl-2-acethydroxamic acid N-Fluoren-2-ylacetohydroxamic acid N-Hydroxy-2-acetamidofluorene N-Hydroxy-2-acetaminofluorene N-Hydroxy-2-faa Nohfaa 2-(N-Acetylhydroxylamino)fluorene N-Acetyl-N-2-fluorenylhydroxylamine N-Hydroxy-N-acetyl-2-aminofluorene NSC 46522
Inchi:	InChI=1S/C15H13NO2/c1-10(17)16(18)13-6-7-15-12(9-13)8-11-4-2-3-5-14(11)15/h2-7,9,
InchiKey:	SOKUIEGXJHVFVDV-UHFFFAOYSA-N
Formula:	C15H13NO2
SMILES:	CC(=O)N(O)c1ccc2c(c1)Cc1ccccc1-2
Mol. weight [g/mol]:	239.27
CAS:	53-95-2

Physical Properties

Property code	Value	Unit	Source
gf	209.05	kJ/mol	Joback Method
hf	-6.10	kJ/mol	Joback Method
hfus	31.49	kJ/mol	Joback Method
hvap	80.87	kJ/mol	Joback Method
log10ws	-3.76		Crippen Method
logp	3.000		Crippen Method
mcvol	181.250	ml/mol	McGowan Method
pc	3173.97	kPa	Joback Method
tb	772.26	K	Joback Method
tc	994.40	K	Joback Method

tf	521.65	K	Joback Method
vc	0.676	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	502.62	J/mol×K	772.26	Joback Method
cpg	513.68	J/mol×K	809.28	Joback Method
cpg	524.06	J/mol×K	846.31	Joback Method
cpg	533.86	J/mol×K	883.33	Joback Method
cpg	543.20	J/mol×K	920.36	Joback Method
cpg	552.19	J/mol×K	957.38	Joback Method
cpg	560.95	J/mol×K	994.40	Joback Method

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C53952&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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
mcvol:	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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