

Acetamide, n-(2-fluorenyl)-

Inchi:	InChI=1S/C15H13NO/c1-10(17)16-13-7-6-12-8-11-4-2-3-5-14(11)15(12)9-13/h2-7,9H,8H
InchiKey:	WIGMLEPKVNVQSQ-UHFFFAOYSA-N
Formula:	C15H13NO
SMILES:	CC(O)=Nc1ccc2c(c1)-c1ccccc1C2
Mol. weight [g/mol]:	223.27
CAS:	6292-55-3

Physical Properties

Property code	Value	Unit	Source
hf	111.38	kJ/mol	Joback Method
hvap	75.47	kJ/mol	Joback Method
log10ws	-4.81		Crippen Method
logp	3.866		Crippen Method
mcvol	175.380	ml/mol	McGowan Method
pc	2668.02	kPa	Joback Method
tb	782.51	K	Joback Method
tc	1017.31	K	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C6292553&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

hf:	Enthalpy of formation 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

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