1-Naphthamide, N-allyl-

Inchi: InChI=1S/C14H13NO/c1-2-10-15-14(16)13-9-5-7-11-6-3-4-8-12(11)13/h2-9H,1,10H2,(H,
InchiKey: MNDXIAYSFXOWKG-UHFFFAOYSA-N
Formula: C14H13NO
SMILES: C=CCN=C(O)c1cccc2ccccc12
Mol. weight [g/mol]: 211.26

Physical Properties

Property code	Value	Unit	Source
hf	129.47	kJ/mol	Joback Method
hvap	70.74	kJ/mol	Joback Method
log10ws	-3.85		Crippen Method
logp	3.330		Crippen Method
mcvol	172.150	ml/mol	McGowan Method
pc	2584.59	kPa	Joback Method
rinpol	2125.00		NIST Webbook
rinpol	2125.00		NIST Webbook
tb	735.78	K	Joback Method
tc	961.91	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U340224&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature