Acetamide, N-(1-naphthyl)-2-chloro-

Other names: Acetamide, 2-chloro-N-1-naphthalenyl-
Acetamide, 2-chloro-N-1-naphthyl-
Chloroacetyl-1-naphthylamide
2-Chloro-N-(1-naphthyl)acetamide
Acetamide, N-(1-naphthyl)-2-chloro-

Inchi: InChI=1S/C12H10ClNO/c13-8-12(15)14-11-7-3-5-9-4-1-2-6-10(9)11/h1-7H,8H2,(H,14,15)

InchiKey: CVRUANQADYCNLO-UHFFFAOYSA-N

Formula: C12H10ClNO

SMILES: O=C(CCl)Nc1cccc2ccccc12

Mol. weight [g/mol]: 219.67

Physical Properties

Property code	Value	Unit	Source
hf	-98.98	kJ/mol	Cheméo Relay (1.0)
hfus	28.40	kJ/mol	Joback Method
ie	8.06	eV	Cheméo Relay (1.0)
log10ws	-3.38		Cheméo Relay (1.0)
logp	3.017		Crippen Method
mcvol	160.510	ml/mol	McGowan Method
rinpol	1955.00		NIST Webbook
rinpol	1955.00		NIST Webbook
tb	628.82	K	Cheméo Relay (1.0)
tf	390.08	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	383.80	J/mol×K	666.07	Joback Method
cpg	395.87	J/mol×K	706.01	Joback Method
cpg	406.97	J/mol×K	745.95	Joback Method
cpg	417.17	J/mol×K	785.89	Joback Method
cpg	426.57	J/mol×K	825.83	Joback Method
cpg	435.25	J/mol×K	865.77	Joback Method
cpg	443.29	J/mol×K	905.71	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C832893&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	

Legend

cpg:	Ideal gas heat capacity
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point