

BENZENEACETAMIDE, .ALPHA.-AMINO-

Other names:	2-Amino-2-phenylacetamide Acetamide, 2-amino-2-phenyl-
Inchi:	InChI=1S/C8H10N2O/c9-7(8(10)11)6-4-2-1-3-5-6/h1-5,7H,9H2,(H2,10,11)
InchiKey:	KIYRSYYOVDHSPG-UHFFFAOYSA-N
Formula:	C8H10N2O
SMILES:	NC(=O)C(N)c1ccccc1
Mol. weight [g/mol]:	150.18

Physical Properties

Property code	Value	Unit	Source
hf	-118.15	kJ/mol	Cheméo Relay (1.0)
hfus	18.99	kJ/mol	Joback Method
hvap	61.63	kJ/mol	Cheméo Relay (1.0)
ie	8.41	eV	Cheméo Relay (1.0)
log10ws	-1.29		Cheméo Relay (1.0)
logp	0.172		Crippen Method
mcvol	121.350	ml/mol	McGowan Method
tb	540.36	K	Cheméo Relay (1.0)
tf	401.34	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	295.95	J/mol×K	607.61	Joback Method
cpg	307.66	J/mol×K	648.63	Joback Method
cpg	318.43	J/mol×K	689.65	Joback Method
cpg	328.33	J/mol×K	730.68	Joback Method
cpg	337.40	J/mol×K	771.70	Joback Method
cpg	345.69	J/mol×K	812.72	Joback Method
cpg	353.25	J/mol×K	853.74	Joback Method

Sources

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):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C700630&Units=SI

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/15-708-9/BENZENEACETAMIDE-ALPHA-AMINO.pdf>

Generated by Cheméo on 2026-07-21 19:34:47.526571881 +0000 UTC m=+173583.368457259.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.