

dl-2-Aminobutyric acid

Other names:	(.+-.)-.alpha.-aminobutyric acid ($\hat{A}\pm$)-2-aminobutyric acid 2-Aminobutyric acid 2-Aminobutyric acid, dl Aminobutyric acid,-2- Butanoic acid, 2-amino- Butanoic acid, 2-amino-, (.+/-.)- Butyric acid, 2-amino-, DL- Butyric acid, dl-2-amino-, beta-form Butyrine DL-.alpha.-amino-n-butyric acid DL-.alpha.-aminobutanoic acid DL-.alpha.-aminobutyric acid DL-2-amino-n-butyric acid DL-2-aminobutanoic acid NSC 3251 butanoic acid, 2-amino-, (.+/-.)- dl- \hat{A} «alpha \hat{A} »-Amino-n-butyric acid \hat{A} «alpha \hat{A} »-Aminobutyric acid
Inchi:	InChI=1S/C4H9NO2/c1-2-3(5)4(6)7/h3H,2,5H2,1H3,(H,6,7)
InchiKey:	QWCKQJZIFLGMSD-UHFFFAOYSA-N
Formula:	C4H9NO2
SMILES:	CCC([NH3+])C(=O)[O-]
Mol. weight [g/mol]:	103.12
CAS:	80-60-4

Physical Properties

Property code	Value	Unit	Source
ie	8.70	eV	NIST Webbook
log10ws	0.13		Crippen Method
logp	-2.243		Crippen Method
mcvol	84.640	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	160.70	J/mol×K	323.00	NIST Webbook

Sources

[illegible]

<https://www.doi.org/10.1016/j.jct.2018.05.008>
<http://pubs.acs.org/doi/abs/10.1021/ci9903071>
<https://www.doi.org/10.1021/je3012698>
<https://www.doi.org/10.1016/j.jct.2003.11.001>
<https://www.doi.org/10.1021/je5007899>
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<https://www.doi.org/10.1016/j.jct.2015.04.024>
<https://www.doi.org/10.1016/j.jct.2016.09.040>
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<https://www.doi.org/10.1016/j.jct.2013.09.009>
<https://www.doi.org/10.1021/je100909b>
<https://www.doi.org/10.1016/j.jct.2007.12.005>
<https://www.doi.org/10.1016/i.jct.2019.03.009>

Legend

cps:	Solid phase heat capacity
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume

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