# dl-2-Aminobutyric acid

Other names: (.+-.)-.alpha.-aminobutyric acid

(±)-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-«alpha»-Amino-n-butyric acid

«alpha»-Aminobutyric acid

InChl=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

Molecular interactions of some amino https://www.doi.org/10.1016/j.jct.2018.05.008 acids in aqueous Crippp Mathydimidazolium bromide http://pubs.acs.org/doi/abs/10.1021/ci990307l 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 http://webbook.nist.gov/cgi/cbook.cgi?ID=C80604&Units=SI https://www.doi.org/10.1016/j.jct.2015.04.024 https://www.doi.org/10.1016/j.jct.2016.09.040 THE PROPERTY OF THE PROPERTY O https://www.doi.org/10.1016/j.jct.2017.03.025 https://www.doi.org/10.1021/je400415r https://www.doi.org/10.1016/j.fluid.2006.10.012 glycine, dl-a-alanine and เป็นวัลพาสาย**ปัจป**ุ่งจะไลcid in aqueous http://link.springer.com/article/10.1007/BF02311772 MicSammin Met/Med acid in aqueous solutions at temperatures between battial Micallar battial Micallar battial Micallar between battial Micallar between battial Battian Acids in Micellar between battial battian Acids in Micellar between battial battian and services of several r-Amino Acids The med warnicreatife between acids of being accuse services in the major of the major battial with the major battial with the major battial with the major battian and accuses the major battian battian and the major battian bat https://www.doi.org/10.1021/je049927v https://www.doi.org/10.1021/je060149b https://www.doi.org/10.1016/j.jct.2011.05.012 https://www.doi.org/10.1021/je8001464 https://www.doi.org/10.1016/j.jct.2013.11.001 https://www.doi.org/10.1021/acs.jced.7b00433 https://www.chemeo.com/doc/models/crippen\_log10ws Notine in whater and in Aqueous Solutions of Strong Electrolytes at TERIFF IN ITERIFF I hippurate, and potassium magnesium-L-aspartate:

### Legend

**cps:** Solid phase heat capacity

ie: Ionization energy

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficientmcvol: McGowan's characteristic volume

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