

Butanoic acid, 2-amino-, (S)-

Other names:	Butyric acid, 2-amino-, L- L-«alpha»-Amino-n-butyric acid L-«alpha»-Aminobutyrate L-«alpha»-Aminobutyric acid L-Butyrine L-2-Aminobutyric acid L-2-Aminobutanoic acid (-)-2-aminobutyric acid S 2-aminobutyric acid
Inchi:	InChI=1S/C4H9NO2/c1-2-3(5)4(6)7/h3H,2,5H2,1H3,(H,6,7)/t3-/m1/s1
InchiKey:	QWCKQJZIFLGMSD-GSVOUGTGSA-N
Formula:	C4H9NO2
SMILES:	CCC([NH3+])C(=O)[O-]
Mol. weight [g/mol]:	103.12
CAS:	1492-24-6

Physical Properties

Property code	Value	Unit	Source
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
hsubt	162.50	kJ/mol	455.50	NIST Webbook
hsubt	162.80 ± 0.80	kJ/mol	455.00	NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C1492246&Units=SI>

Legend

hsubt: Enthalpy of sublimation at a given temperature
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume

Latest version available from:

<https://www.chemeo.com/cid/11-205-1/Butanoic-acid-2-amino-S.pdf>

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