

2-Amino-6-fluorobenzoic acid

Other names:	2-Amino-6-fluorobenzoic acid
Inchi:	InChI=1S/C7H6FNO2/c8-4-2-1-3-5(9)6(4)7(10)11/h1-3H,9H2,(H,10,11)
InchiKey:	RWSFZKWMVWPDGZ-UHFFFAOYSA-N
Formula:	C7H6FNO2
SMILES:	Nc1cccc(F)c1C(=O)O
Mol. weight [g/mol]:	155.13

Physical Properties

Property code	Value	Unit	Source
hf	-501.39	kJ/mol	Cheméo Relay (1.0)
hfus	21.11	kJ/mol	Joback Method
hvap	83.05	kJ/mol	Cheméo Relay (1.0)
ie	8.33	eV	Cheméo Relay (1.0)
log10ws	-2.29		Cheméo Relay (1.0)
logp	1.106		Crippen Method
mcvol	104.920	ml/mol	McGowan Method
tb	551.67	K	Cheméo Relay (1.0)
tf	436.80	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	246.86	J/mol×K	614.05	Joback Method
cpg	254.46	J/mol×K	649.03	Joback Method
cpg	261.57	J/mol×K	684.02	Joback Method
cpg	268.22	J/mol×K	719.00	Joback Method
cpg	274.41	J/mol×K	753.98	Joback Method
cpg	280.17	J/mol×K	788.97	Joback Method
cpg	285.50	J/mol×K	823.95	Joback Method

Sources

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C434764&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

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/24-412-7/2-Amino-6-fluorobenzoic-acid.pdf>

Generated by Cheméo on 2026-07-21 20:19:59.280001832 +0000 UTC m=+176295.121887221.

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