

# 2-bromobenzohydrazide

<b>Inchi:</b>	InChI=1S/C7H7BrN2O/c8-6-4-2-1-3-5(6)7(11)10-9/h1-4H,9H2,(H,10,11)
<b>InchiKey:</b>	PQNLAYLOCZKPIY-UHFFFAOYSA-N
<b>Formula:</b>	C7H7BrN2O
<b>SMILES:</b>	NNC(=O)c1ccccc1Br
<b>Mol. weight [g/mol]:</b>	215.05
<b>CAS:</b>	29418-67-5

## Physical Properties

Property code	Value	Unit	Source
gf	152.08	kJ/mol	Joback Method
hf	38.26	kJ/mol	Joback Method
hfus	24.72	kJ/mol	Joback Method
hvap	64.37	kJ/mol	Joback Method
log10ws	-2.98		Crippen Method
logp	1.053		Crippen Method
mcvol	124.760	ml/mol	McGowan Method
pc	5312.41	kPa	Joback Method
tb	633.95	K	Joback Method
tc	884.23	K	Joback Method
tf	453.24	K	Joback Method
vc	0.452	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	271.17	J/molxK	633.95	Joback Method
cpg	280.43	J/molxK	675.66	Joback Method
cpg	288.92	J/molxK	717.38	Joback Method
cpg	296.67	J/molxK	759.09	Joback Method
cpg	303.75	J/molxK	800.80	Joback Method
cpg	310.21	J/molxK	842.52	Joback Method
cpg	316.09	J/molxK	884.23	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C29418675&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C29418675&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>

# Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>gf:</b>	Standard Gibbs free energy of formation
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfus:</b>	Enthalpy of fusion at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mccvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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