

# 2-Bromo-5-fluorobenzyl bromide

<b>Inchi:</b>	InChI=1S/C7H5Br2F/c8-4-5-3-6(10)1-2-7(5)9/h1-3H,4H2
<b>InchiKey:</b>	CZLWYKAZAVYQIK-UHFFFAOYSA-N
<b>Formula:</b>	C7H5Br2F
<b>SMILES:</b>	Fc1ccc(Br)c(CBr)c1
<b>Mol. weight [g/mol]:</b>	267.92
<b>CAS:</b>	112399-50-5

## Physical Properties

Property code	Value	Unit	Source
gf	-64.96	kJ/mol	Joback Method
hf	-117.67	kJ/mol	Joback Method
hfus	20.80	kJ/mol	Joback Method
hvap	46.83	kJ/mol	Joback Method
log10ws	-4.28		Crippen Method
logp	3.483		Crippen Method
mcvol	122.500	ml/mol	McGowan Method
pc	4468.24	kPa	Joback Method
tb	527.79	K	Joback Method
tc	766.74	K	Joback Method
tf	340.30	K	Joback Method
vc	0.462	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	211.52	J/molxK	527.79	Joback Method
cpg	220.12	J/molxK	567.62	Joback Method
cpg	228.06	J/molxK	607.44	Joback Method
cpg	235.39	J/molxK	647.27	Joback Method
cpg	242.16	J/molxK	687.09	Joback Method
cpg	248.42	J/molxK	726.92	Joback Method
cpg	254.20	J/molxK	766.74	Joback Method

# Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C112399505&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C112399505&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</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>mcvol:</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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