

# Methanol, bis(4-bromophenyl)-

<b>Inchi:</b>	InChI=1S/C13H10Br2O/c14-11-5-1-9(2-6-11)13(16)10-3-7-12(15)8-4-10/h1-8,13,16H
<b>InchiKey:</b>	PDQRNCTWDZPBGQ-UHFFFAOYSA-N
<b>Formula:</b>	C13H10Br2O
<b>SMILES:</b>	OC(c1ccc(Br)cc1)c1ccc(Br)cc1
<b>Mol. weight [g/mol]:</b>	342.03
<b>CAS:</b>	29334-18-7

## Physical Properties

Property code	Value	Unit	Source
gf	153.52	kJ/mol	Joback Method
hf	33.62	kJ/mol	Joback Method
hfus	27.87	kJ/mol	Joback Method
hvap	79.57	kJ/mol	Joback Method
log10ws	-5.62		Crippen Method
logp	4.293		Crippen Method
mcvol	187.380	ml/mol	McGowan Method
pc	3925.85	kPa	Joback Method
tb	784.22	K	Joback Method
tc	1034.66	K	Joback Method
tf	479.57	K	Joback Method
vc	0.684	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	439.95	J/molxK	784.22	Joback Method
cpg	450.02	J/molxK	825.96	Joback Method
cpg	459.27	J/molxK	867.70	Joback Method
cpg	467.79	J/molxK	909.44	Joback Method
cpg	475.68	J/molxK	951.18	Joback Method
cpg	483.03	J/molxK	992.92	Joback Method
cpg	489.94	J/molxK	1034.66	Joback Method
dvisc	0.0006732	Paxs	479.57	Joback Method
dvisc	0.0003136	Paxs	530.35	Joback Method

dvisc	0.0001670	Paxs	581.12	Joback Method
dvisc	0.0000984	Paxs	631.89	Joback Method
dvisc	0.0000627	Paxs	682.67	Joback Method
dvisc	0.0000425	Paxs	733.45	Joback Method
dvisc	0.0000304	Paxs	784.22	Joback Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C29334187&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C29334187&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>dvisc:</b>	Dynamic viscosity
<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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