

# 2-Bromobenzyl alcohol, 1-methylpropyl ether

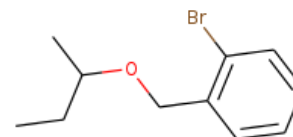
**InChI:** InChI=1S/C11H15BrO/c1-3-9(2)13-8-10-6-4-5-7-11(10)12/h4-7,9H,3,8H2,1-2H3

**InChI Key:** GEABBXXCBUVYNO-UHFFFAOYSA-N

**Formula:** C11H15BrO

**SMILES:** CCC(C)OCc1ccccc1Br

**Molecular Weight:** 243.14



## Physical Properties

Property	Value	Unit	Source
$\Delta_f G^\circ$	51.40	kJ/mol	Joback Method
$\Delta_f H^\circ_{\text{gas}}$	-156.48	kJ/mol	Joback Method
$\Delta_{\text{fus}} H^\circ$	20.85	kJ/mol	Joback Method
$\Delta_{\text{vap}} H^\circ$	51.47	kJ/mol	Joback Method
$\log P_{\text{oct/wat}}$	3.764		Crippen Method
$P_c$	2775.92	kPa	Joback Method
$T_{\text{boil}}$	570.88	K	Joback Method
$T_c$	791.16	K	Joback Method
$T_{\text{fus}}$	319.70	K	Joback Method
$V_c$	0.618	m <sup>3</sup> /kg-mol	Joback Method

## Temperature Dependent Properties

Property	Value	Unit	Temperature (K)	Source
$C_{p,\text{gas}}$	368.86	J/mol×K	570.88	Joback Method
$\eta$	0.0001727	Paxs	570.88	Joback Method

## Sources

**Joback Method:** [https://en.wikipedia.org/wiki/Joback\\_method](https://en.wikipedia.org/wiki/Joback_method)

**NIST Webbook:** [http://webbook.nist.gov/cgi/inchi/InChI=1S/C11H15BrO/c1-3-9\(2\)13-8-10-6-4-5-7-11\(10\)12/h4-7,9H,3,8H2,1-2H3](http://webbook.nist.gov/cgi/inchi/InChI=1S/C11H15BrO/c1-3-9(2)13-8-10-6-4-5-7-11(10)12/h4-7,9H,3,8H2,1-2H3)

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

$C_{p,gas}$ : Ideal gas heat capacity (J/molxK).

$\eta$ : Dynamic viscosity (Pa $\times$ s).

$\Delta_f G^\circ$ : Standard Gibbs free energy of formation (kJ/mol).

$\Delta_f H^\circ_{gas}$ : Enthalpy of formation at standard conditions (kJ/mol).

$\Delta_{fus} H^\circ$ : Enthalpy of fusion at standard conditions (kJ/mol).

$\Delta_{vap} H^\circ$ : Enthalpy of vaporization at standard conditions (kJ/mol).

$logP_{oct/wat}$ : Octanol/Water partition coefficient .

$P_c$ : Critical Pressure (kPa).

$T_{boil}$ : Normal Boiling Point Temperature (K).

$T_c$ : Critical Temperature (K).

$T_{fus}$ : Normal melting (fusion) point (K).

$V_c$ : Critical Volume (m<sup>3</sup>/kg-mol).

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