

2-Naphthalenol, 6-bromo-

Other names:	6-Bromo-«beta»-naphthol 6-Bromo-2-naphthol 2-Naphthol, 6-bromo- Bromo-6 naphthol-2
Inchi:	InChI=1S/C10H7BrO/c11-9-3-1-8-6-10(12)4-2-7(8)5-9/h1-6,12H
InchiKey:	YLDFTMJJPQJXGSS-UHFFFAOYSA-N
Formula:	C10H7BrO
SMILES:	Oc1ccc2cc(Br)ccc2c1
Mol. weight [g/mol]:	223.07
CAS:	15231-91-1

Physical Properties

Property code	Value	Unit	Source
gf	102.45	kJ/mol	Joback Method
hf	15.42	kJ/mol	Joback Method
hfus	23.39	kJ/mol	Joback Method
hvap	61.88	kJ/mol	Joback Method
log10ws	-3.99		Crippen Method
logp	3.308		Crippen Method
mcvol	131.910	ml/mol	McGowan Method
pc	5109.34	kPa	Joback Method
tb	625.62	K	Joback Method
tc	891.17	K	Joback Method
tf	445.62	K	Joback Method
vc	0.438	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	286.42	J/mol×K	625.62	Joback Method
cpg	328.86	J/mol×K	846.91	Joback Method
cpg	321.45	J/mol×K	802.65	Joback Method
cpg	313.68	J/mol×K	758.40	Joback Method
cpg	305.38	J/mol×K	714.14	Joback Method

cpg	296.36	J/mol×K	669.88	Joback Method
cpg	336.10	J/mol×K	891.17	Joback Method
dvisc	0.0000588	Pa×s	625.62	Joback Method
dvisc	0.0000794	Pa×s	595.62	Joback Method
dvisc	0.0001107	Pa×s	565.62	Joback Method
dvisc	0.0001602	Pa×s	535.62	Joback Method
dvisc	0.0002423	Pa×s	505.62	Joback Method
dvisc	0.0003861	Pa×s	475.62	Joback Method
dvisc	0.0006551	Pa×s	445.62	Joback Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C15231911&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

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

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