

p-Octyloxybenzyl alcohol

Inchi:	InChI=1S/C15H24O2/c1-2-3-4-5-6-7-12-17-15-10-8-14(13-16)9-11-15/h8-11,16H,2-7,12-
InchiKey:	BVSGXVHDNMPZSE-UHFFFAOYSA-N
Formula:	C15H24O2
SMILES:	CCCCCCCCOc1ccc(CO)cc1
Mol. weight [g/mol]:	236.35
CAS:	67698-68-4

Physical Properties

Property code	Value	Unit	Source
gf	-63.62	kJ/mol	Joback Method
hf	-412.32	kJ/mol	Joback Method
hfus	33.53	kJ/mol	Joback Method
hvap	71.01	kJ/mol	Joback Method
log10ws	-4.66		Crippen Method
logp	3.918		Crippen Method
mvol	210.190	ml/mol	McGowan Method
pc	1945.79	kPa	Joback Method
tb	688.86	K	Joback Method
tc	872.40	K	Joback Method
tf	380.80	K	Joback Method
vc	0.804	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	588.75	J/molxK	688.86	Joback Method
cpg	656.59	J/molxK	841.81	Joback Method
cpg	644.47	J/molxK	811.22	Joback Method
cpg	631.65	J/molxK	780.63	Joback Method
cpg	618.10	J/molxK	750.04	Joback Method
cpg	603.81	J/molxK	719.45	Joback Method
cpg	668.02	J/molxK	872.40	Joback Method
dvisc	0.0000328	Paxs	688.86	Joback Method
dvisc	0.0000496	Paxs	637.52	Joback Method

dvisc	0.0000808	Paxs	586.17	Joback Method
dvisc	0.0001444	Paxs	534.83	Joback Method
dvisc	0.0002919	Paxs	483.49	Joback Method
dvisc	0.0006979	Paxs	432.14	Joback Method
dvisc	0.0021103	Paxs	380.80	Joback Method

Sources

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=C67698684&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws

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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